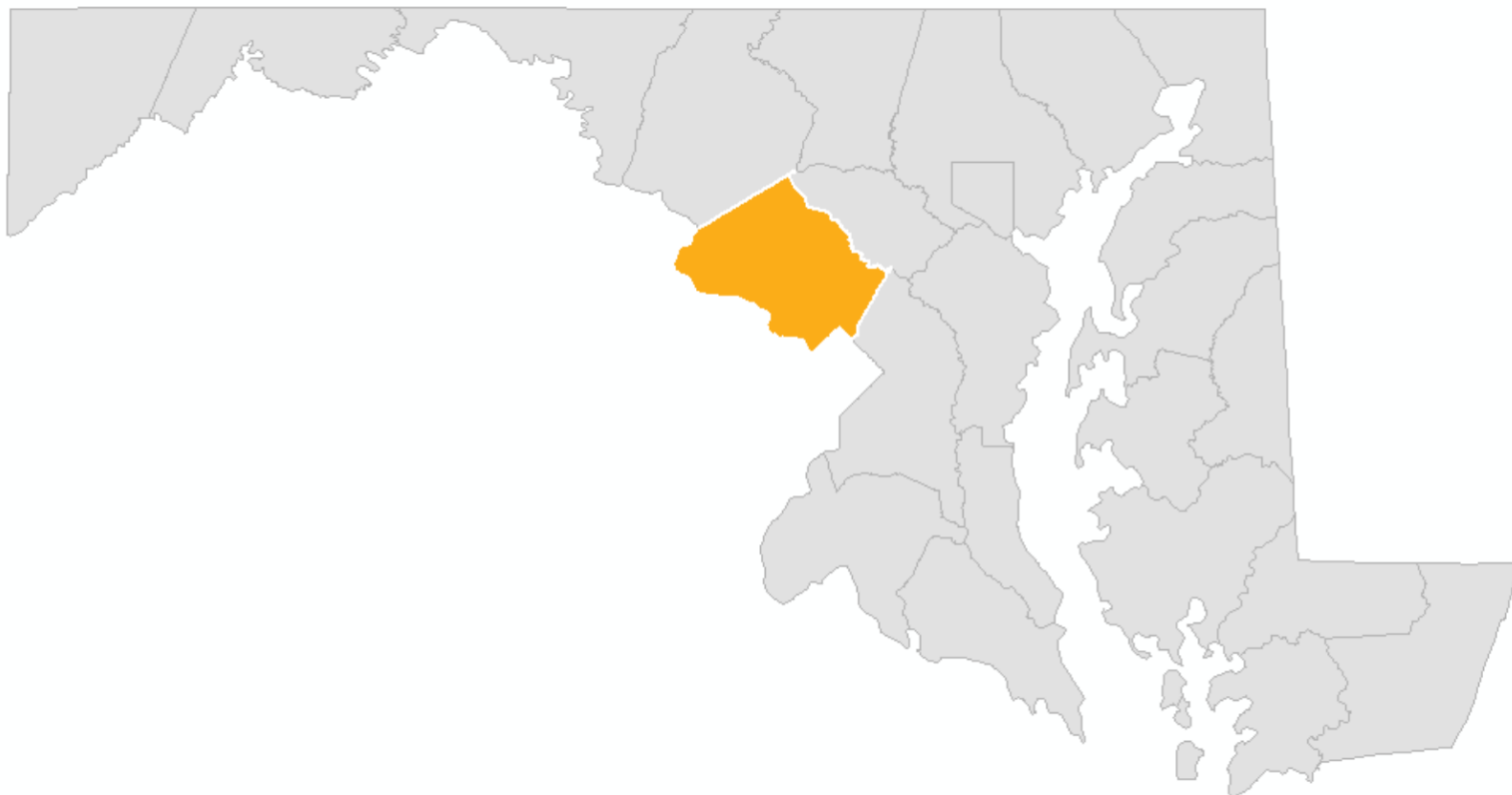


2017



Montgomery County Annual HIV Epidemiological Profile

Data reported through June 30, 2018



MARYLAND
Department of Health

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Prevention and Health Services Bureau
Prevention and Health Promotion Administration
<http://phpa.health.maryland.gov/OIDEOR/CHSE>
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the Maryland Department of Health by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the Maryland Department of Health to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland Department of Health, by mailing the State of Maryland HIV/CD4 Laboratory Reporting Form (DHMH 4492). Laboratories are encouraged to contact the Maryland Department of Health to establish electronic reporting.

Reporting forms and instructions, including mailing addresses and phones numbers, are available on our website: <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Maryland Department of Health, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2017. The most recent Centers for Disease Control and Prevention (CDC) estimate of the number of people living with undiagnosed HIV infection is 14.5 percent for the United States and 14.0 percent for Maryland in 2015. Using the CDC CD4 depletion model on Maryland surveillance data, the estimated number of people living with undiagnosed HIV infection in Maryland is 11.6 percent in 2016. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of case report data. Case report data are only available for cases receiving medical care, often only at facilities in Maryland, and only includes information that has been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department.

This epidemiological profile provides estimates of living Maryland diagnosed cases by current residence as of December 31, 2017. Residence at diagnosis and age at diagnosis are used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to cases for which there is a case report form or laboratory test reported since January 1, 2009. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may still be residents of Maryland but have not received any HIV care during the

most recent nine and a half years. In addition, residence is dynamic and cases may have resided at multiple addresses that cannot all be represented in single time point estimates.

This epidemiological profile contains data for transgender HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of December 31, 2017. Historically, it has been difficult to fully present data by current gender identification. Data on transgender people has been limited in the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS). No reliable system exists for collecting or reporting gender identity and some agencies do not collect or have complete data on gender identity. This report is likely underreporting the number transgender HIV and AIDS cases because of challenges in accurately identifying and reporting gender identity in HIV surveillance.

Lastly, the completeness of reporting for race/ethnicity is variable in surveillance data. Definitions of race/ethnicity categories may vary across agencies and some agencies do not collect or have complete data on race/ethnicity. This report may be overreporting the number of Multiracial HIV and AIDS cases because of challenges in accurately identifying and reporting race/ethnicity in HIV surveillance.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both newly and

previously diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2017 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV from January 1, 2017 to December 31, 2017, as reported by name through June 30, 2018.

To calculate the number of Living Cases we count all Reported Diagnoses from the beginning of the epidemic (all new cases each year) and subtract all Reported Deaths. For example, the Total Living HIV Cases on December 31, 2017 are the total reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of June 30, 2018 as reported by name through June 30, 2018.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ cells is less than 14 percent. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of VL, such as less than 200 copies per milliliter of blood, are known as viral suppression. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's eHARS, June 30, 2018.

Population data by sex, age, and race/ethnicity are from the July 1, 2017 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2016 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from the Centers for Disease Control and Prevention's HIV Surveillance Supplemental Report published March 2018. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

Exposure/risk data is not suppressed due to statistical adjustment resulting in the reporting of estimated or probable risk.

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who report a history of sexual contact with other men and report injection drug use constitutes a separate transmission category.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Male-to-male Sexual Contact (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Heterosexual Contact (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

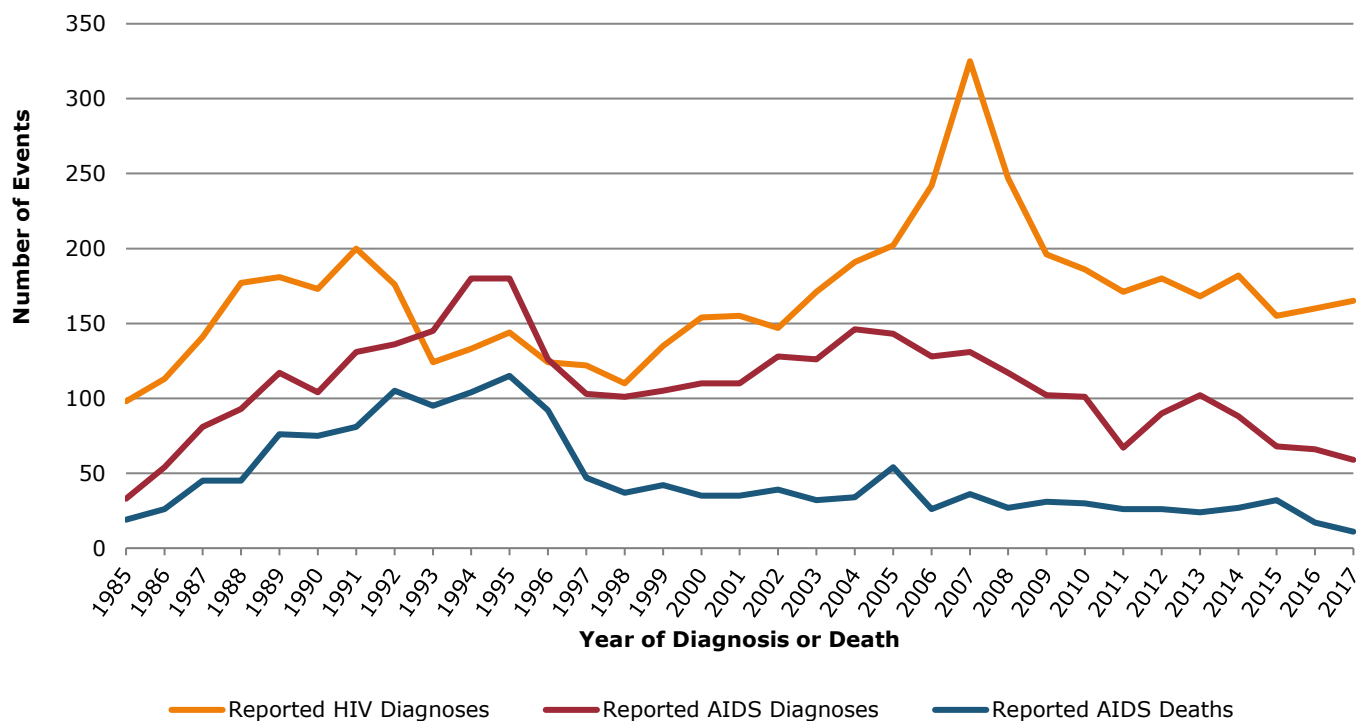
Other Exposure: Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Not all exposure data is reported and is therefore missing for some cases. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Multiple imputation involves filling in the missing exposure category with multiple possible exposures, creating several complete datasets. Filling in the missing exposure category is done using the observed data for the individual case as well as data in aggregate from other cases in Maryland. The complete datasets, containing the various predictions for each missing exposure category, are combined to create a final dataset with previously missing exposure category replaced by weighted estimates. Perinatal transmission and other exposure categories are never estimated or adjusted and depict the reported exposure category.

Section II – Trends 1985-2017

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, among Residents at Diagnosis, 1985-2017, Reported through June 30, 2018

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2017 as Reported through June 30, 2018

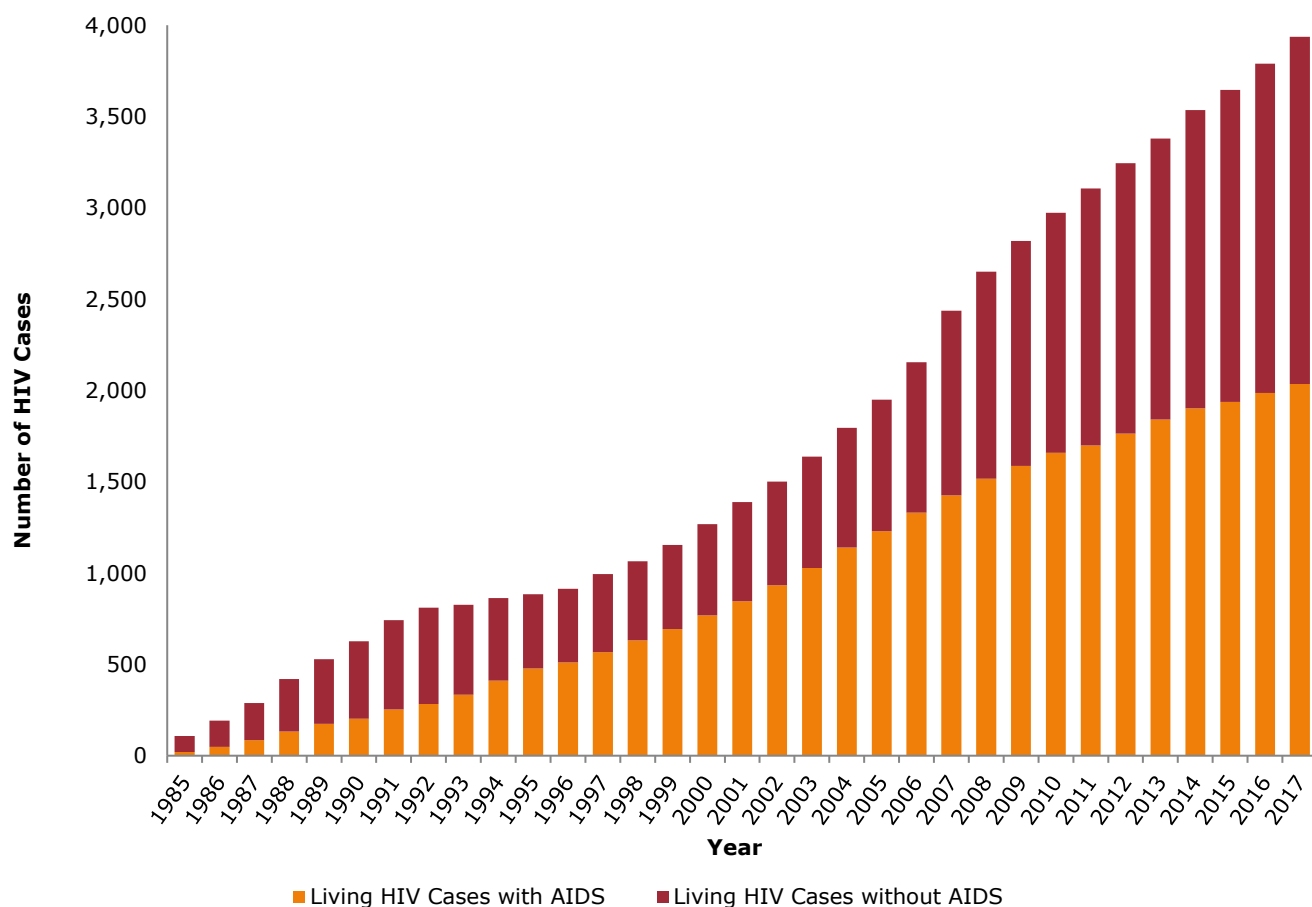


Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths	Year of Diagnosis or Death	Reported HIV Diagnoses	Reported AIDS Diagnoses	Reported AIDS Deaths
<1985	38	15	8	2001	155	110	35
1985	98	33	19	2002	147	128	39
1986	113	54	26	2003	171	126	32
1987	141	81	45	2004	191	146	34
1988	177	93	45	2005	202	143	54
1989	181	117	76	2006	242	128	26
1990	173	104	75	2007	325	131	36
1991	200	131	81	2008	247	117	27
1992	176	136	105	2009	196	102	31
1993	124	145	95	2010	186	101	30
1994	133	180	104	2011	171	67	26
1995	144	180	115	2012	180	90	26
1996	124	126	92	2013	168	102	24
1997	122	103	47	2014	182	88	27
1998	110	101	37	2015	155	68	32
1999	135	105	42	2016*	160	66	17
2000	154	110	35	2017*	165	59	11
				Total	5,586	3,586	1,554

*2016-2017 reported AIDS deaths are preliminary

Figure 2 – Trends in Living HIV Cases, among Residents at Diagnosis, 1985-2017, Reported through June 30, 2018

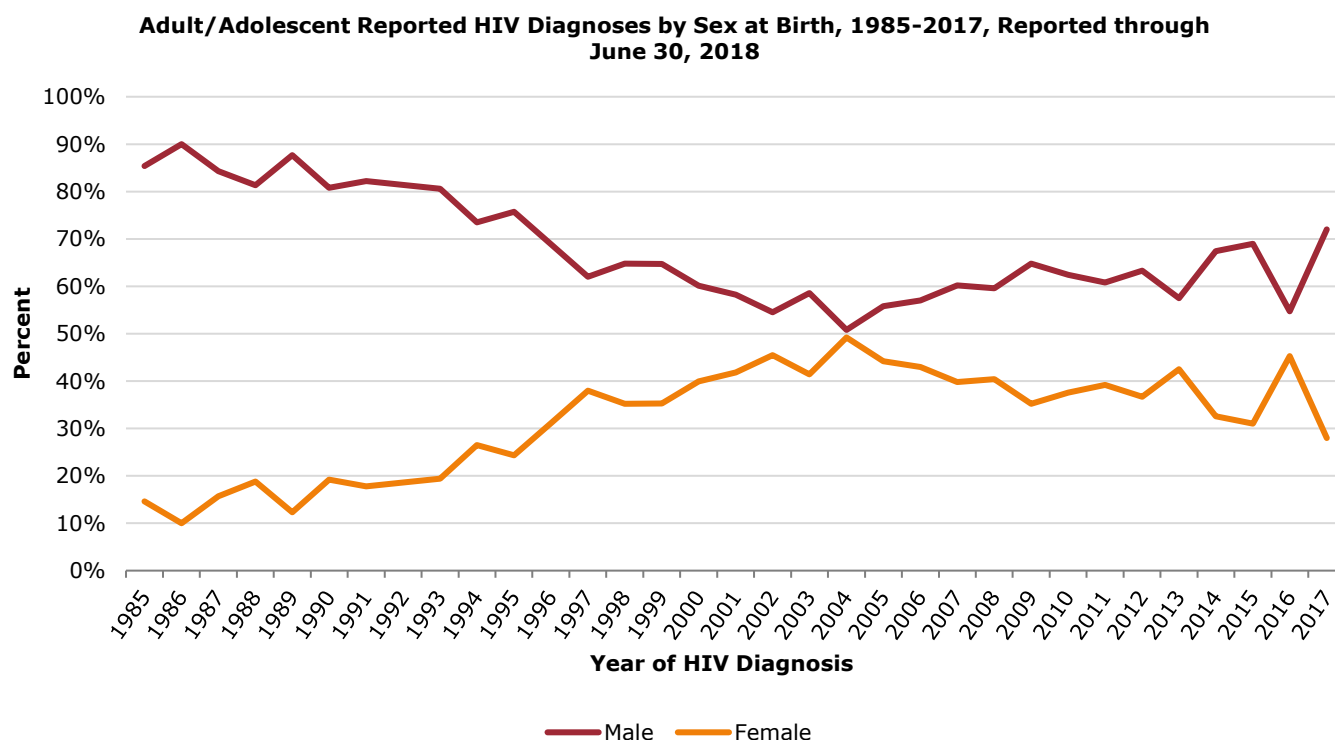
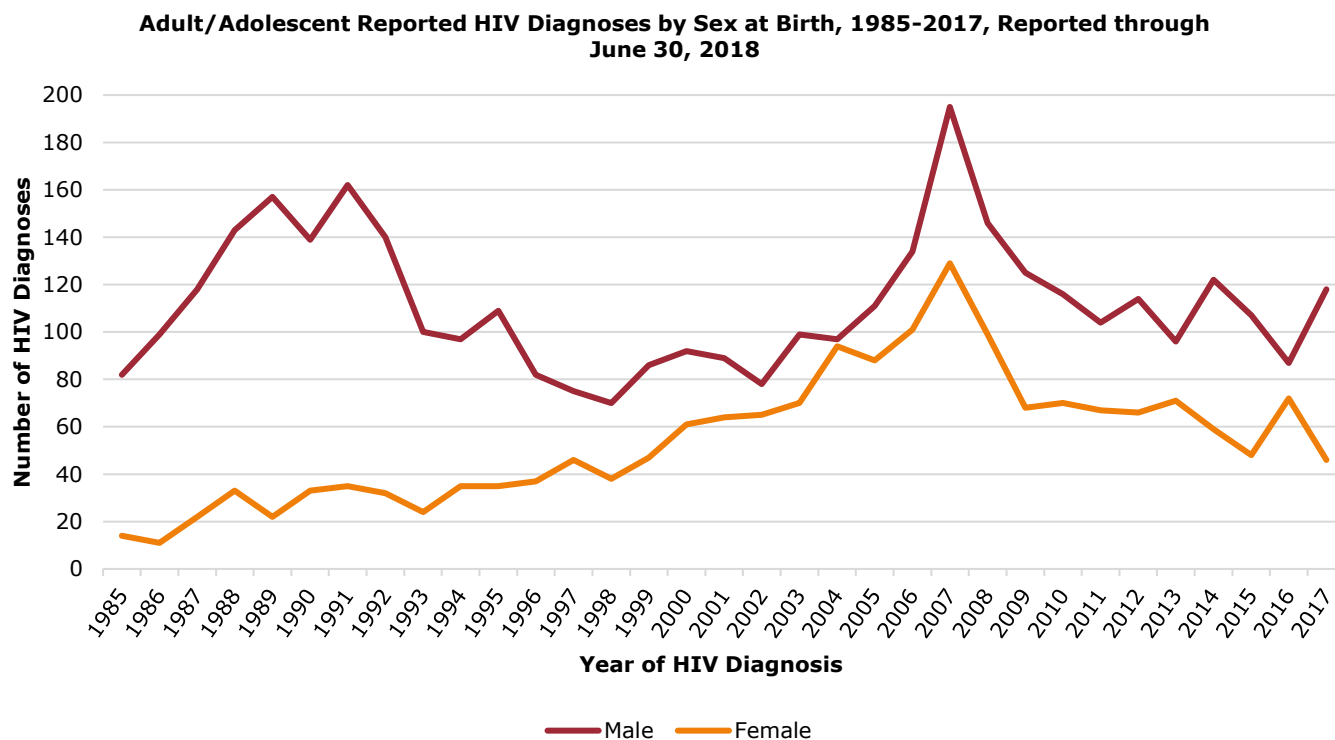
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2017, as Reported through June 30, 2018



Year	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases	Year	Living HIV Cases without AIDS	Living HIV Cases with AIDS	Total Living HIV Cases
1985	87	21	108	2002	567	934	1,501
1986	143	49	192	2003	610	1,028	1,638
1987	204	85	289	2004	655	1,140	1,795
1988	287	133	420	2005	720	1,229	1,949
1989	354	174	528	2006	823	1,331	2,154
1990	423	203	626	2007	1,011	1,426	2,437
1991	489	253	742	2008	1,134	1,516	2,650
1992	526	284	810	2009	1,232	1,587	2,819
1993	492	334	826	2010	1,314	1,658	2,972
1994	453	411	864	2011	1,407	1,699	3,106
1995	407	477	884	2012	1,481	1,763	3,244
1996	403	511	914	2013	1,539	1,841	3,380
1997	427	567	994	2014	1,634	1,902	3,536
1998	433	631	1,064	2015	1,707	1,938	3,645
1999	460	694	1,154	2016	1,802	1,987	3,789
2000	499	769	1,268	2017	1,901	2,035	3,936
2001	544	845	1,389				

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, among Residents at Diagnosis, 1985-2017, Reported through June 30, 2018

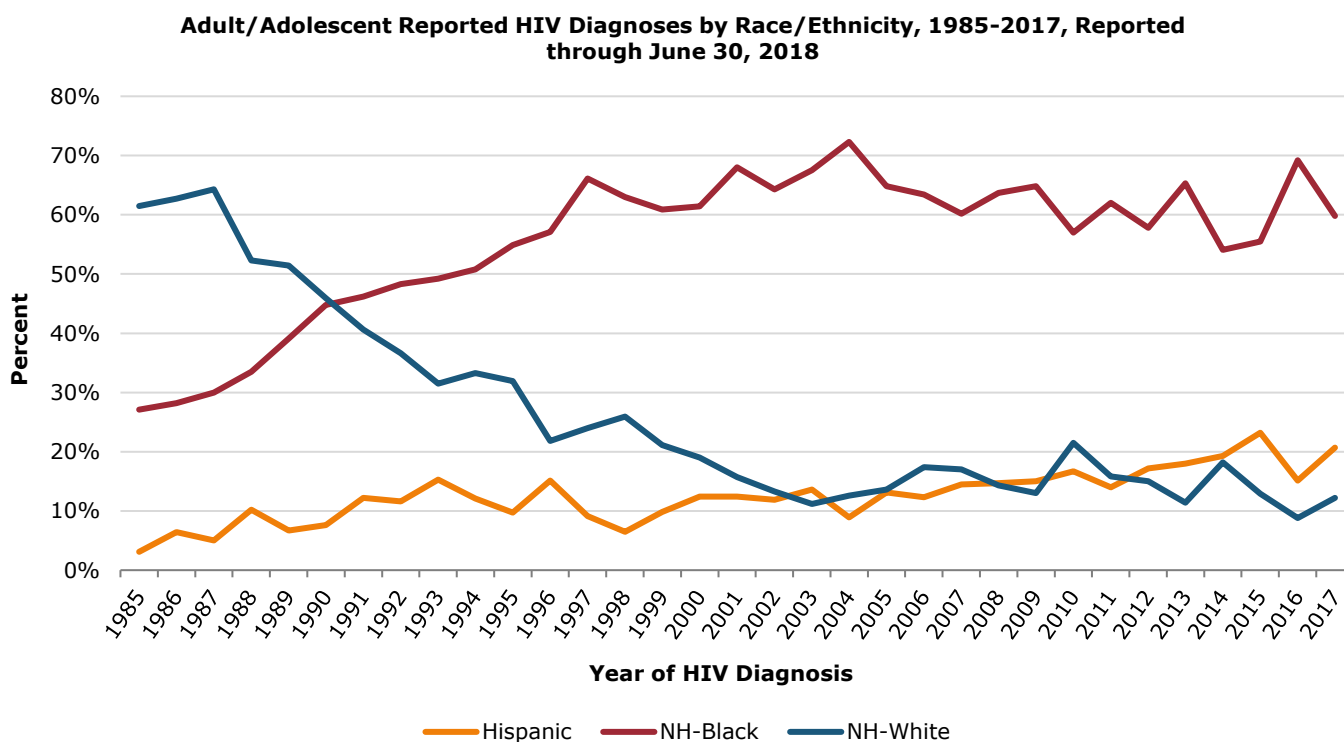
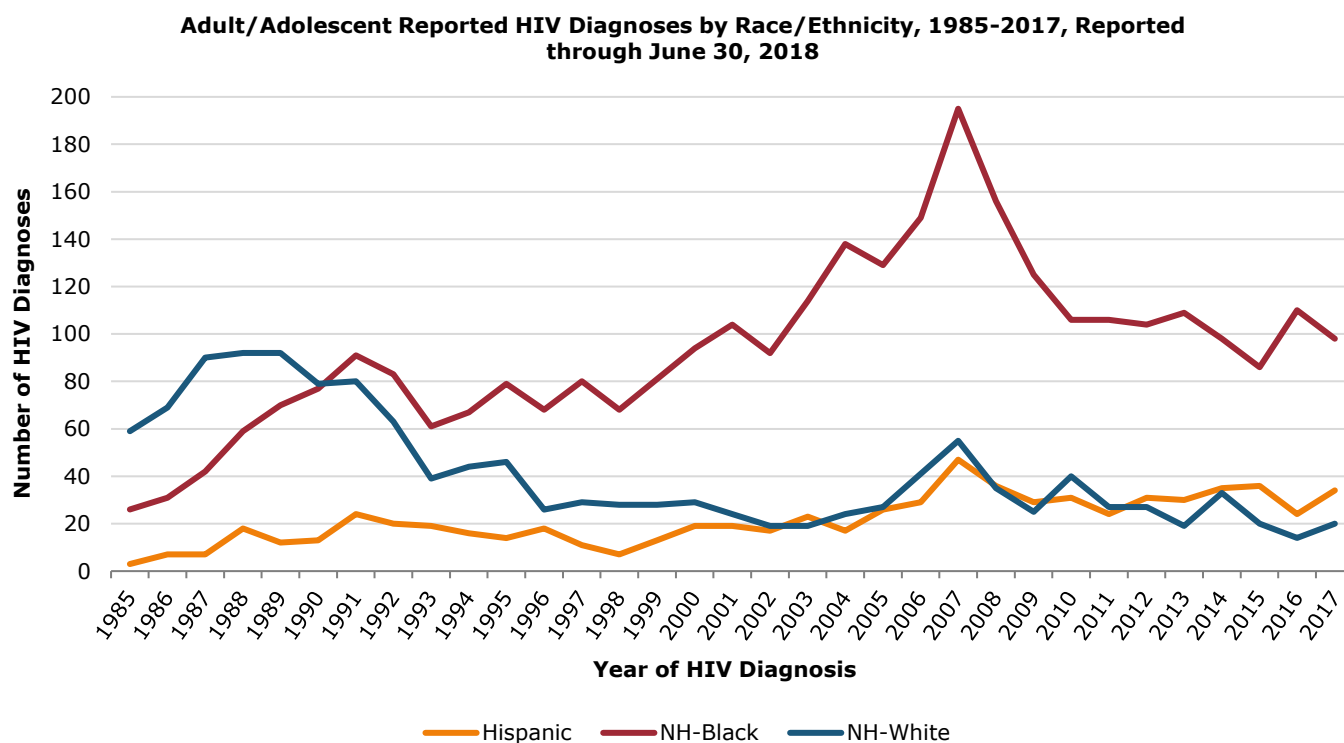
Number and Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2017, as Reported through June 30, 2018



Adult/Adolescent Reported HIV Diagnoses					
Year of HIV Diagnosis	No.	Sex at Birth			
		Male		Female	
		No.	%	No.	%
<1985	38	35	92.1%	3	7.9%
1985	96	82	85.4%	14	14.6%
1986	110	99	90.0%	11	10.0%
1987	140	118	84.3%	22	15.7%
1988	176	143	81.3%	33	18.8%
1989	179	157	87.7%	22	12.3%
1990	172	139	80.8%	33	19.2%
1991	197	162	82.2%	35	17.8%
1992	172	140	81.4%	32	18.6%
1993	124	100	80.6%	24	19.4%
1994	132	97	73.5%	35	26.5%
1995	144	109	75.7%	35	24.3%
1996	119	82	68.9%	37	31.1%
1997	121	75	62.0%	46	38.0%
1998	108	70	64.8%	38	35.2%
1999	133	86	64.7%	47	35.3%
2000	153	92	60.1%	61	39.9%
2001	153	89	58.2%	64	41.8%
2002	143	78	54.5%	65	45.5%
2003	169	99	58.6%	70	41.4%
2004	191	97	50.8%	94	49.2%
2005	199	111	55.8%	88	44.2%
2006	235	134	57.0%	101	43.0%
2007	324	195	60.2%	129	39.8%
2008	245	146	59.6%	99	40.4%
2009	193	125	64.8%	68	35.2%
2010	186	116	62.4%	70	37.6%
2011	171	104	60.8%	67	39.2%
2012	180	114	63.3%	66	36.7%
2013	167	96	57.5%	71	42.5%
2014	181	122	67.4%	59	32.6%
2015	155	107	69.0%	48	31.0%
2016	159	87	54.7%	72	45.3%
2017	164	118	72.0%	46	28.0%
Total	5,529	3,724	67.4%	1,805	32.6%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, among Residents at Diagnosis, 1985-2017, Reported through June 30, 2018

Number and Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2017, as Reported through June 30, 2018

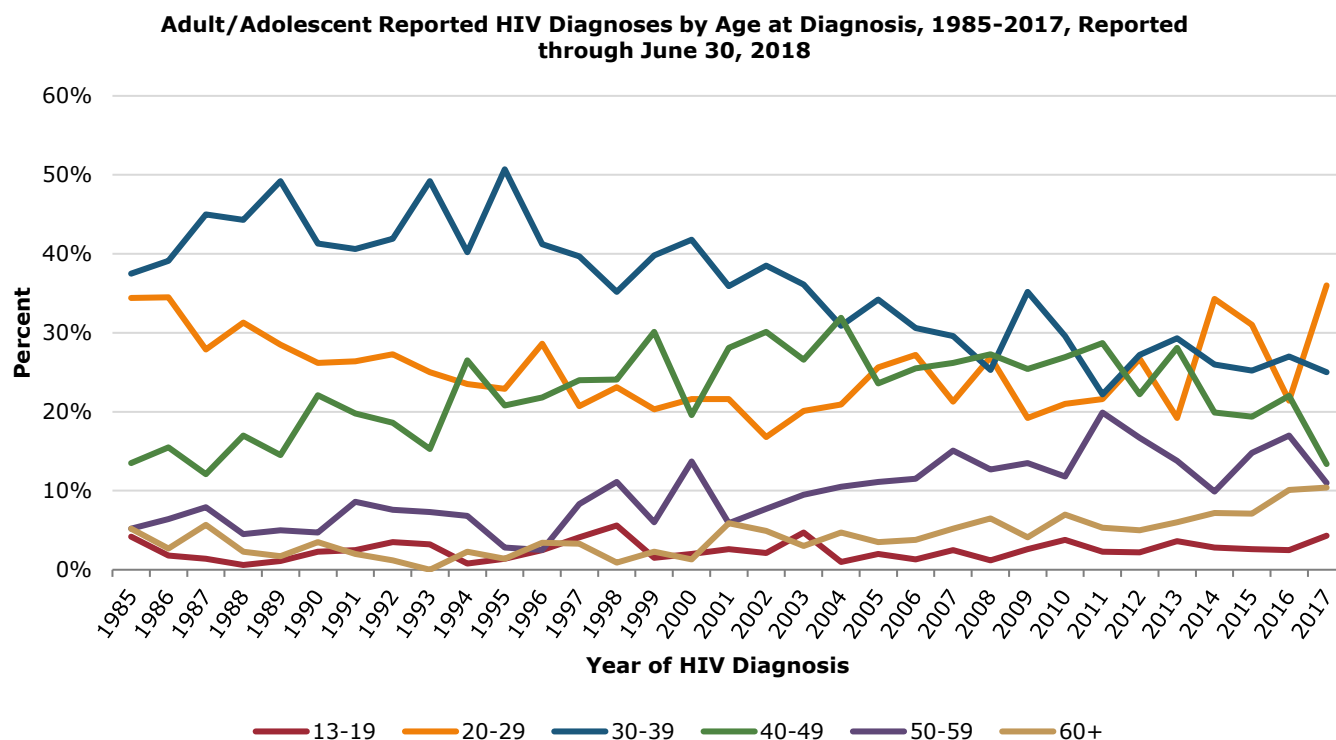
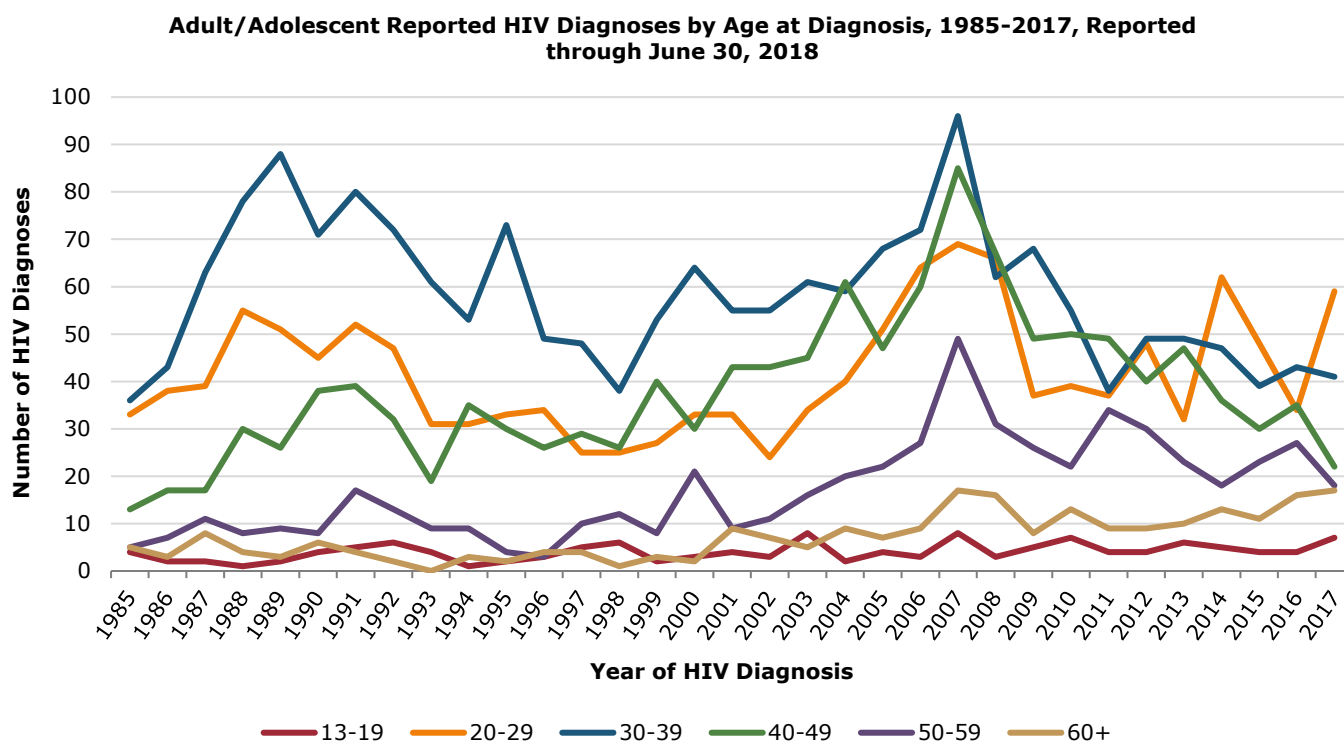


Non-Hispanic Other race not shown

Year of HIV Diagnosis	No.	Adult/Adolescent Reported HIV Diagnoses							
		Race/Ethnicity							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	38	2	5.3%	14	36.8%	20	52.6%	2	5.3%
1985	96	3	3.1%	26	27.1%	59	61.5%	8	8.3%
1986	110	7	6.4%	31	28.2%	69	62.7%	3	2.7%
1987	140	7	5.0%	42	30.0%	90	64.3%	1	0.7%
1988	176	18	10.2%	59	33.5%	92	52.3%	7	4.0%
1989	179	12	6.7%	70	39.1%	92	51.4%	5	2.8%
1990	172	13	7.6%	77	44.8%	79	45.9%	3	1.7%
1991	197	24	12.2%	91	46.2%	80	40.6%	2	1.0%
1992	172	20	11.6%	83	48.3%	63	36.6%	6	3.5%
1993	124	19	15.3%	61	49.2%	39	31.5%	5	4.0%
1994	132	16	12.1%	67	50.8%	44	33.3%	5	3.8%
1995	144	14	9.7%	79	54.9%	46	31.9%	5	3.5%
1996	119	18	15.1%	68	57.1%	26	21.8%	7	5.9%
1997	121	11	9.1%	80	66.1%	29	24.0%	1	0.8%
1998	108	7	6.5%	68	63.0%	28	25.9%	5	4.6%
1999	133	13	9.8%	81	60.9%	28	21.1%	11	8.3%
2000	153	19	12.4%	94	61.4%	29	19.0%	11	7.2%
2001	153	19	12.4%	104	68.0%	24	15.7%	6	3.9%
2002	143	17	11.9%	92	64.3%	19	13.3%	15	10.5%
2003	169	23	13.6%	114	67.5%	19	11.2%	13	7.7%
2004	191	17	8.9%	138	72.3%	24	12.6%	12	6.3%
2005	199	26	13.1%	129	64.8%	27	13.6%	17	8.5%
2006	235	29	12.3%	149	63.4%	41	17.4%	16	6.8%
2007	324	47	14.5%	195	60.2%	55	17.0%	27	8.3%
2008	245	36	14.7%	156	63.7%	35	14.3%	18	7.3%
2009	193	29	15.0%	125	64.8%	25	13.0%	14	7.3%
2010	186	31	16.7%	106	57.0%	40	21.5%	9	4.8%
2011	171	24	14.0%	106	62.0%	27	15.8%	14	8.2%
2012	180	31	17.2%	104	57.8%	27	15.0%	18	10.0%
2013	167	30	18.0%	109	65.3%	19	11.4%	9	5.4%
2014	181	35	19.3%	98	54.1%	33	18.2%	15	8.3%
2015	155	36	23.2%	86	55.5%	20	12.9%	13	8.4%
2016	159	24	15.1%	110	69.2%	14	8.8%	11	6.9%
2017	164	34	20.7%	98	59.8%	20	12.2%	12	7.3%
Total	5,529	711	12.9%	3,110	56.2%	1,382	25.0%	326	5.9%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, among Residents at Diagnosis, 1985-2017, Reported through June 30, 2018

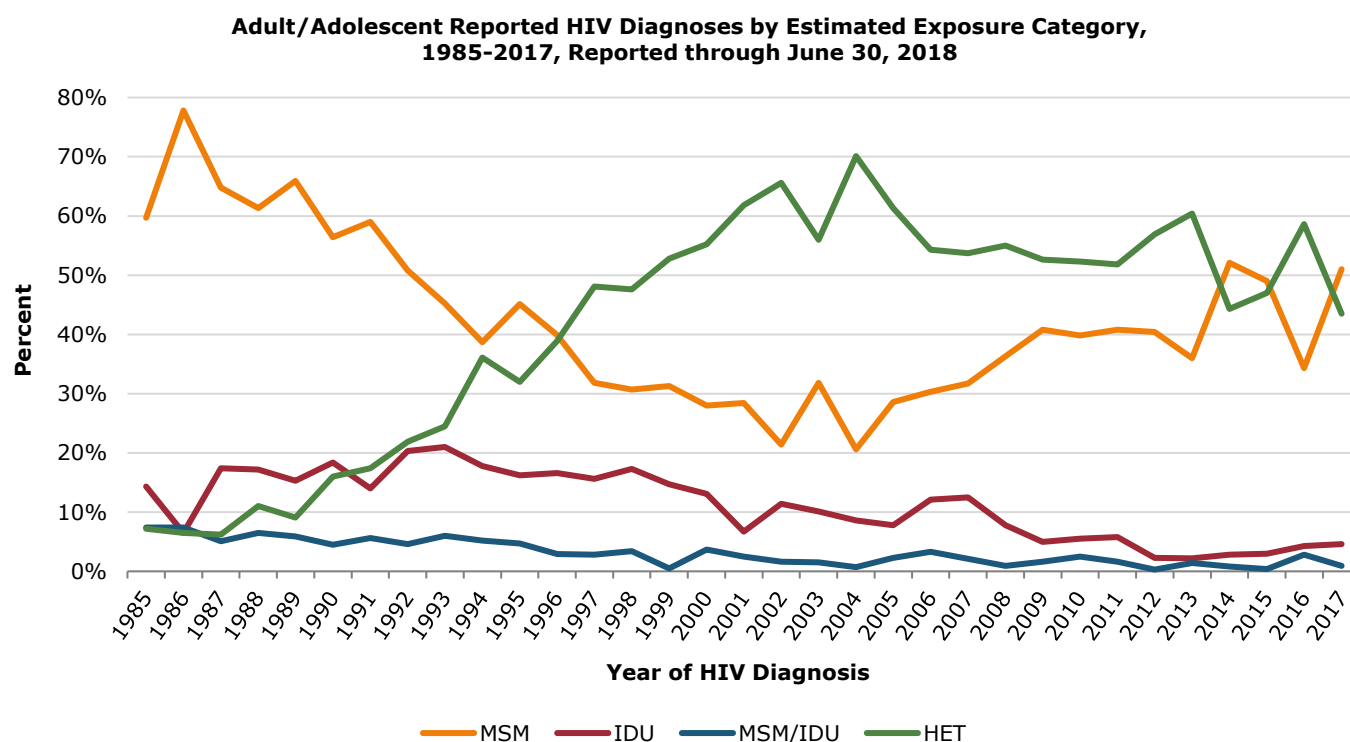
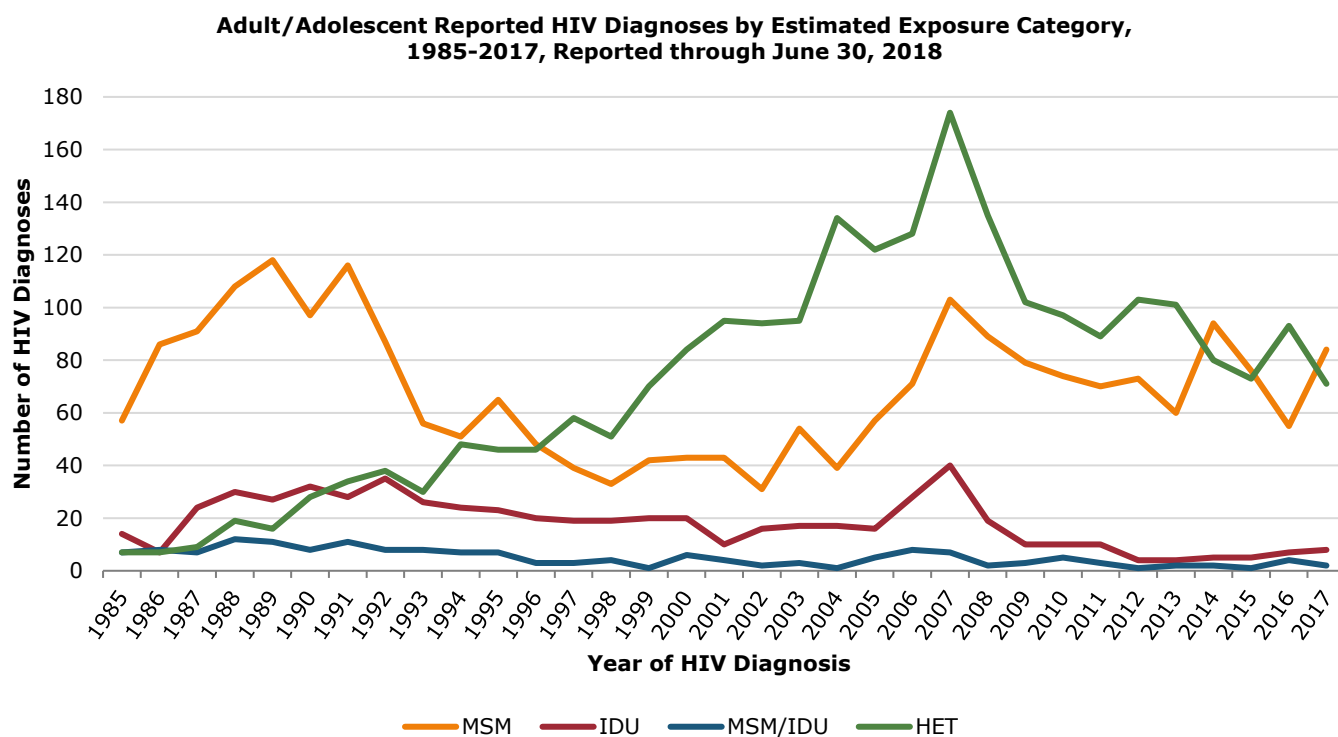
Number and Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2017, as Reported through June 30, 2018



Year of HIV Diagnosis	Adult/Adolescent Reported HIV Diagnoses												
	No.	Age at HIV Diagnosis											
		Age 13-19		Age 20-29		Age 30-39		Age 40-49		Age 50-59		Age 60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	38	3	7.9%	11	28.9%	12	31.6%	7	18.4%	3	7.9%	2	5.3%
1985	96	4	4.2%	33	34.4%	36	37.5%	13	13.5%	5	5.2%	5	5.2%
1986	110	2	1.8%	38	34.5%	43	39.1%	17	15.5%	7	6.4%	3	2.7%
1987	140	2	1.4%	39	27.9%	63	45.0%	17	12.1%	11	7.9%	8	5.7%
1988	176	1	0.6%	55	31.3%	78	44.3%	30	17.0%	8	4.5%	4	2.3%
1989	179	2	1.1%	51	28.5%	88	49.2%	26	14.5%	9	5.0%	3	1.7%
1990	172	4	2.3%	45	26.2%	71	41.3%	38	22.1%	8	4.7%	6	3.5%
1991	197	5	2.5%	52	26.4%	80	40.6%	39	19.8%	17	8.6%	4	2.0%
1992	172	6	3.5%	47	27.3%	72	41.9%	32	18.6%	13	7.6%	2	1.2%
1993	124	4	3.2%	31	25.0%	61	49.2%	19	15.3%	9	7.3%	0	0.0%
1994	132	1	0.8%	31	23.5%	53	40.2%	35	26.5%	9	6.8%	3	2.3%
1995	144	2	1.4%	33	22.9%	73	50.7%	30	20.8%	4	2.8%	2	1.4%
1996	119	3	2.5%	34	28.6%	49	41.2%	26	21.8%	3	2.5%	4	3.4%
1997	121	5	4.1%	25	20.7%	48	39.7%	29	24.0%	10	8.3%	4	3.3%
1998	108	6	5.6%	25	23.1%	38	35.2%	26	24.1%	12	11.1%	1	0.9%
1999	133	2	1.5%	27	20.3%	53	39.8%	40	30.1%	8	6.0%	3	2.3%
2000	153	3	2.0%	33	21.6%	64	41.8%	30	19.6%	21	13.7%	2	1.3%
2001	153	4	2.6%	33	21.6%	55	35.9%	43	28.1%	9	5.9%	9	5.9%
2002	143	3	2.1%	24	16.8%	55	38.5%	43	30.1%	11	7.7%	7	4.9%
2003	169	8	4.7%	34	20.1%	61	36.1%	45	26.6%	16	9.5%	5	3.0%
2004	191	2	1.0%	40	20.9%	59	30.9%	61	31.9%	20	10.5%	9	4.7%
2005	199	4	2.0%	51	25.6%	68	34.2%	47	23.6%	22	11.1%	7	3.5%
2006	235	3	1.3%	64	27.2%	72	30.6%	60	25.5%	27	11.5%	9	3.8%
2007	324	8	2.5%	69	21.3%	96	29.6%	85	26.2%	49	15.1%	17	5.2%
2008	245	3	1.2%	66	26.9%	62	25.3%	67	27.3%	31	12.7%	16	6.5%
2009	193	5	2.6%	37	19.2%	68	35.2%	49	25.4%	26	13.5%	8	4.1%
2010	186	7	3.8%	39	21.0%	55	29.6%	50	26.9%	22	11.8%	13	7.0%
2011	171	4	2.3%	37	21.6%	38	22.2%	49	28.7%	34	19.9%	9	5.3%
2012	180	4	2.2%	48	26.7%	49	27.2%	40	22.2%	30	16.7%	9	5.0%
2013	167	6	3.6%	32	19.2%	49	29.3%	47	28.1%	23	13.8%	10	6.0%
2014	181	5	2.8%	62	34.3%	47	26.0%	36	19.9%	18	9.9%	13	7.2%
2015	155	4	2.6%	48	31.0%	39	25.2%	30	19.4%	23	14.8%	11	7.1%
2016	159	4	2.5%	34	21.4%	43	27.0%	35	22.0%	27	17.0%	16	10.1%
2017	164	7	4.3%	59	36.0%	41	25.0%	22	13.4%	18	11.0%	17	10.4%
Total	5,529	136	2.5%	1,387	25.1%	1,939	35.1%	1,263	22.8%	563	10.2%	241	4.4%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Estimated Exposure Category, among Residents at Diagnosis, 1985-2017, Reported through June 30, 2018

Number and Percent by Estimated Exposure Category[§] of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2017, as Reported through June 30, 2018



Other Exposure Category not shown

§ Multiple imputation was used to estimate and adjust for missing transmission category.

Year of HIV Diagnosis	Adult/Adolescent Reported HIV Diagnoses											
	No.	% with No Reported Exposure [‡]	Estimated Exposure Category [§]									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	38	10.5%	26	67.4%	4	10.0%	5	12.1%	2	5.3%	2	5.3%
1985	96	5.2%	57	59.7%	14	14.3%	7	7.4%	7	7.2%	11	11.5%
1986	110	3.6%	86	77.8%	7	6.5%	8	7.4%	7	6.5%	2	1.8%
1987	140	5.0%	91	64.8%	24	17.4%	7	5.1%	9	6.2%	9	6.4%
1988	176	11.4%	108	61.3%	30	17.2%	12	6.5%	19	11.0%	7	4.0%
1989	179	7.8%	118	65.9%	27	15.3%	11	5.9%	16	9.1%	7	3.9%
1990	172	7.6%	97	56.4%	32	18.4%	8	4.5%	28	16.0%	8	4.7%
1991	197	11.7%	116	59.0%	28	14.0%	11	5.6%	34	17.4%	8	4.1%
1992	172	14.0%	87	50.8%	35	20.3%	8	4.6%	38	21.9%	4	2.3%
1993	124	12.1%	56	45.2%	26	21.0%	8	6.0%	30	24.5%	4	3.2%
1994	132	13.6%	51	38.7%	24	17.8%	7	5.2%	48	36.1%	3	2.3%
1995	144	13.2%	65	45.1%	23	16.2%	7	4.7%	46	32.0%	3	2.1%
1996	119	16.8%	48	39.9%	20	16.6%	3	2.9%	46	38.9%	2	1.7%
1997	121	15.7%	39	31.8%	19	15.6%	3	2.8%	58	48.1%	2	1.7%
1998	108	10.2%	33	30.7%	19	17.3%	4	3.4%	51	47.6%	1	0.9%
1999	133	14.3%	42	31.3%	20	14.7%	1	0.5%	70	52.8%	1	0.8%
2000	153	19.0%	43	28.0%	20	13.1%	6	3.7%	84	55.2%	0	0.0%
2001	153	18.3%	43	28.4%	10	6.7%	4	2.5%	95	61.8%	1	0.7%
2002	143	18.9%	31	21.4%	16	11.4%	2	1.6%	94	65.6%	0	0.0%
2003	169	13.6%	54	31.8%	17	10.1%	3	1.5%	95	56.0%	1	0.6%
2004	191	20.4%	39	20.6%	17	8.6%	1	0.7%	134	70.1%	0	0.0%
2005	199	14.1%	57	28.6%	16	7.8%	5	2.3%	122	61.3%	0	0.0%
2006	235	29.8%	71	30.3%	28	12.1%	8	3.3%	128	54.3%	0	0.0%
2007	324	33.3%	103	31.7%	40	12.5%	7	2.1%	174	53.7%	0	0.0%
2008	245	44.1%	89	36.3%	19	7.8%	2	0.9%	135	55.0%	0	0.0%
2009	193	33.2%	79	40.8%	10	5.0%	3	1.6%	102	52.6%	0	0.0%
2010	186	43.5%	74	39.8%	10	5.5%	5	2.5%	97	52.3%	0	0.0%
2011	171	41.5%	70	40.8%	10	5.8%	3	1.6%	89	51.8%	0	0.0%
2012	180	23.3%	73	40.4%	4	2.3%	1	0.3%	103	56.9%	0	0.0%
2013	167	16.8%	60	36.0%	4	2.2%	2	1.4%	101	60.4%	0	0.0%
2014	181	17.7%	94	52.1%	5	2.8%	2	0.8%	80	44.3%	0	0.0%
2015	155	11.6%	76	49.0%	5	3.0%	1	0.4%	73	47.0%	1	0.6%
2016	159	21.4%	55	34.3%	7	4.3%	4	2.8%	93	58.6%	0	0.0%
2017	164	23.2%	84	51.0%	8	4.6%	2	0.9%	71	43.5%	0	0.0%
Total	5,529	19.9%	2,312	41.8%	595	10.8%	166	3.0%	2,378	43.0%	77	1.4%

§ Multiple imputation was used to estimate and adjust for missing transmission category

‡Percent with no reported exposure prior to multiple imputation adjustment

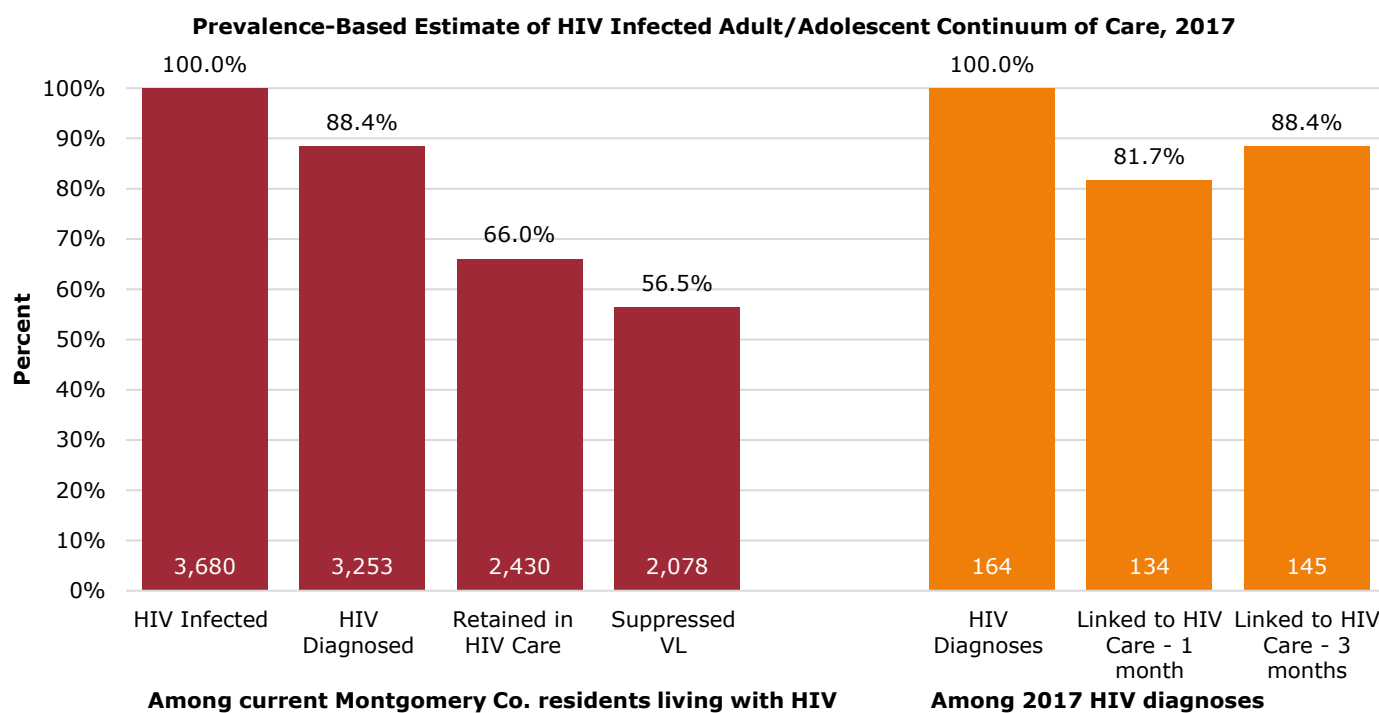
Note. Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1 percent of cases missing transmission category after multiple imputation

Section III – Continuum of Care Cascades

In their 2011 article in Clinical Infectious Diseases, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2017 HIV Continuum of Care Cascades, Current Montgomery County Residents, Reported through June 30, 2018

The prevalence-based Montgomery County Engagement in HIV Care Cascade (below) applies the Centers for Disease Control and Prevention (CDC) CD4 depletion model to Maryland surveillance data, reported through June 2018, to estimate the number of people living with undiagnosed HIV (11.6 percent) and the estimated number of HIV infected persons currently residing in Maryland. Maryland surveillance data is then used to describe the number and percentage of persons living with HIV in Montgomery County on December 31, 2017 and the number and percentage of new HIV diagnoses in 2017 who belong to each of the stages of engagement in HIV care.



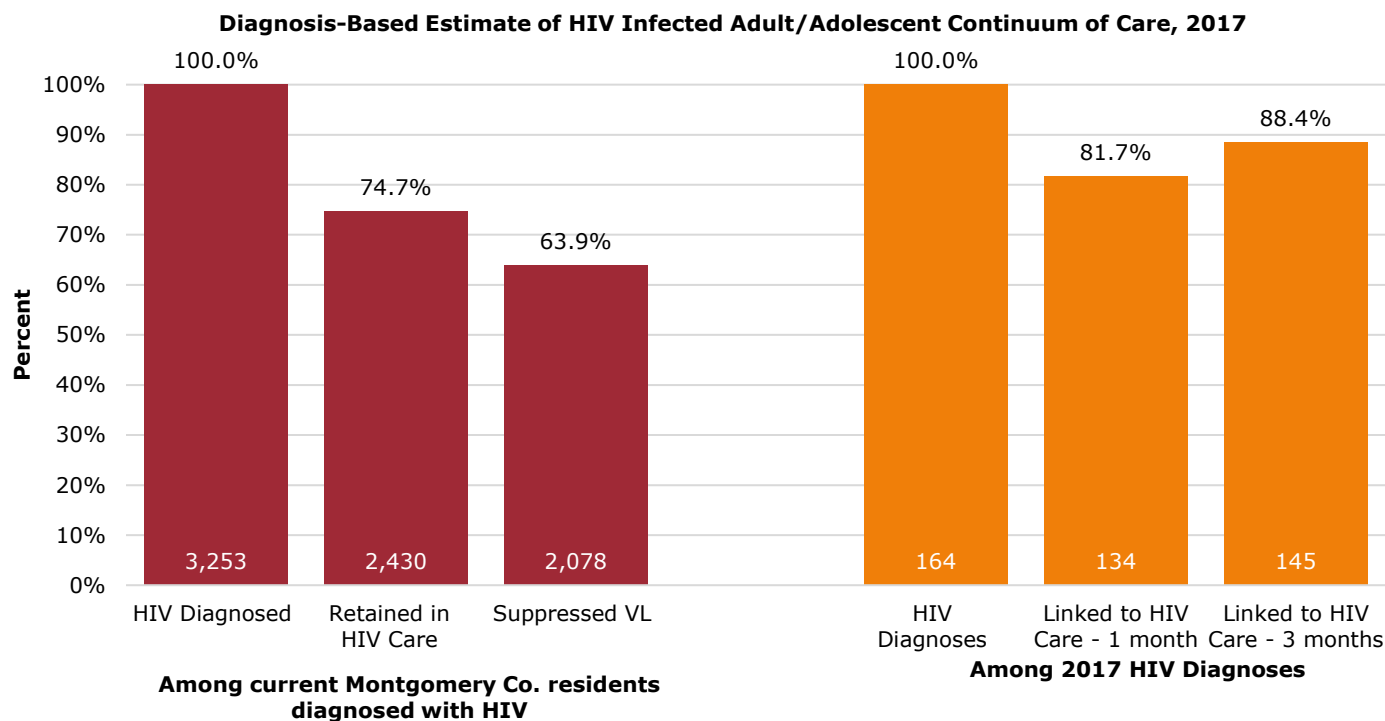
Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Infected	3,680	100.0%	New HIV Diagnoses	164	100.0%
HIV Diagnosed	3,253	88.4%	Linked to HIV Care – 1 Month	134	81.7%
Retained in HIV Care	2,430	66.0%	Linked to HIV Care – 3 Months	145	88.4%
Suppressed VL	2,078	56.5%			

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” Clin Infect Dis. 2011; 52 (6): 793-800.

²Centers for Disease Control and Prevention. Estimated HIV incidence and prevalence in the United States, 2010–2015. HIV Surveillance Supplemental Report 2018;23(No. 1). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published March 2018.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2017 HIV Continuum of Care Cascades, Current Montgomery County Residents, Reported through June 30, 2018

The diagnosis-based Montgomery County Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Montgomery County residents to describe the number and percentage of persons living with HIV in Montgomery County on December 31, 2017 and the number and percentage of new HIV diagnoses in 2017 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Diagnosed	3,253	100.0%	New HIV Diagnoses	164	100.0%
Retained in HIV Care	2,430	74.7%	Linked to HIV Care – 1 Month	134	81.7%
Suppressed VL	2,078	63.9%	Linked to HIV Care – 3 Months	145	88.4%

Section IV – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2017, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through June 30, 2018

Jurisdiction of Residence at HIV Diagnosis	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
20705	159	0	0.0%	0.0	--	--	--	--	--
20707	290	0	0.0%	0.0	--	--	--	--	--
20777	43	0	0.0%	0.0	--	--	--	--	--
20812	222	0	0.0%	0.0	--	--	--	--	--
20814	26,136	1	0.6%	3.8	***	***	***	***	***
20815	27,097	3	1.8%	11.1	***	***	***	***	***
20816	14,429	0	0.0%	0.0	--	--	--	--	--
20817	32,445	1	0.6%	3.1	***	***	***	***	***
20818	1,826	0	0.0%	0.0	--	--	--	--	--
20832	22,688	2	1.2%	8.8	***	***	***	***	***
20833	6,818	1	0.6%	14.7	***	***	***	***	***
20837	5,282	0	0.0%	0.0	--	--	--	--	--
20838	241	0	0.0%	0.0	--	--	--	--	--
20839	204	0	0.0%	0.0	--	--	--	--	--
20841	8,957	1	0.6%	11.2	***	***	***	***	***
20842	1,411	0	0.0%	0.0	--	--	--	--	--
20850	42,601	7	4.3%	16.4	100.0%	100.0%	***	85.7%	311
20851	13,137	3	1.8%	22.8	***	***	***	***	***
20852	38,562	9	5.5%	23.3	88.9%	100.0%	***	88.9%	477
20853	27,151	3	1.8%	11.0	***	***	***	***	***
20854	45,165	1	0.6%	2.2	***	***	***	***	***
20855	13,343	1	0.6%	7.5	***	***	***	***	***
20860	2,224	0	0.0%	0.0	--	--	--	--	--
20861	1,736	0	0.0%	0.0	--	--	--	--	--
20862	334	0	0.0%	0.0	--	--	--	--	--
20866	11,929	6	3.7%	50.3	***	***	***	100.0%	395
20868	725	0	0.0%	0.0	--	--	--	--	--
20871	10,543	1	0.6%	9.5	***	***	***	***	***
20872	11,705	0	0.0%	0.0	--	--	--	--	--
20874	50,637	13	7.9%	25.7	76.9%	84.6%	***	100.0%	389
20876	22,262	2	1.2%	9.0	***	***	***	***	***
20877	30,652	10	6.1%	32.6	90.0%	90.0%	***	80.0%	232
20878	55,916	5	3.0%	8.9	***	***	***	100.0%	459
20879	21,795	7	4.3%	32.1	57.1%	71.4%	***	85.7%	343
20880	432	0	0.0%	0.0	--	--	--	--	--
20882	12,847	1	0.6%	7.8	***	***	***	***	***
20886	29,928	4	2.4%	13.4	***	***	***	***	***
20895	16,992	3	1.8%	17.7	***	***	***	***	***
20896	818	0	0.0%	0.0	--	--	--	--	--
20899	151	0	0.0%	0.0	--	--	--	--	--
20901	31,088	5	3.0%	16.1	100.0%	100.0%	***	***	***
20902	43,777	9	5.5%	20.6	55.6%	66.7%	***	77.8%	385
20903	16,064	6	3.7%	37.4	83.3%	100.0%	***	100.0%	249

20904	49,481	15	9.1%	30.3	80.0%	86.7%	33.3%	100.0%	364
20905	16,724	2	1.2%	12.0	***	***	***	***	***
20906	59,994	26	15.9%	43.3	76.9%	92.3%	34.6%	96.2%	313
20910	35,683	10	6.1%	28.0	90.0%	90.0%	***	90.0%	281
20912	19,385	5	3.0%	25.8	100.0%	100.0%	***	100.0%	233
21771	234	0	0.0%	0.0	--	--	--	--	--
Unknown	--	1	0.6%	--	***	***	***	***	***
Total	882,259	164	100.0%	18.6	81.7%	88.4%	29.9%	92.1%	353

*** Data withheld due to low population counts and/or case counts

Table 2 – Adult/Adolescent AIDS Diagnoses during 2017, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction of Residence at AIDS Diagnosis, Reported through June 30, 2018

Jurisdiction of Residence at AIDS Diagnosis	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
20705	159	0	0.0%	0.0	--	--
20707	290	0	0.0%	0.0	--	--
20777	43	0	0.0%	0.0	--	--
20812	222	0	0.0%	0.0	--	--
20814	26,136	0	0.0%	0.0	--	--
20815	27,097	1	1.7%	3.7	***	***
20816	14,429	0	0.0%	0.0	--	--
20817	32,445	0	0.0%	0.0	--	--
20818	1,826	0	0.0%	0.0	--	--
20832	22,688	1	1.7%	4.4	***	***
20833	6,818	0	0.0%	0.0	--	--
20837	5,282	0	0.0%	0.0	--	--
20838	241	0	0.0%	0.0	--	--
20839	204	0	0.0%	0.0	--	--
20841	8,957	1	1.7%	11.2	***	***
20842	1,411	0	0.0%	0.0	--	--
20850	42,601	3	5.1%	7.0	***	***
20851	13,137	1	1.7%	7.6	***	***
20852	38,562	1	1.7%	2.6	***	***
20853	27,151	2	3.4%	7.4	***	***
20854	45,165	0	0.0%	0.0	--	--
20855	13,343	0	0.0%	0.0	--	--
20860	2,224	0	0.0%	0.0	--	--
20861	1,736	0	0.0%	0.0	--	--
20862	334	0	0.0%	0.0	--	--
20866	11,929	1	1.7%	8.4	***	***
20868	725	0	0.0%	0.0	--	--
20871	10,543	0	0.0%	0.0	--	--
20872	11,705	0	0.0%	0.0	--	--
20874	50,637	3	5.1%	5.9	***	***
20876	22,262	1	1.7%	4.5	***	***
20877	30,652	3	5.1%	9.8	***	***
20878	55,916	1	1.7%	1.8	***	***
20879	21,795	2	3.4%	9.2	***	***
20880	432	0	0.0%	0.0	--	--
20882	12,847	0	0.0%	0.0	--	--
20886	29,928	2	3.4%	6.7	***	***
20895	16,992	0	0.0%	0.0	--	--
20896	818	0	0.0%	0.0	--	--
20899	151	0	0.0%	0.0	--	--
20901	31,088	3	5.1%	9.7	***	***
20902	43,777	5	8.5%	11.4	7.7	40.0%
20903	16,064	4	6.8%	24.9	***	***
20904	49,481	5	8.5%	10.1	1.6	60.0%
20905	16,724	0	0.0%	0.0	--	--

20906	59,994	11	18.6%	18.3	2.1	81.8%
20910	35,683	5	8.5%	14.0	5.8	60.0%
20912	19,385	2	3.4%	10.3	***	***
21771	234	0	0.0%	0.0	--	--
Unknown	--	1	1.7%	--	***	***
Total	882,259	59	100.0%	6.7	2.6	74.6%

*** Data withheld due to low population counts and/or case counts

Table 3 – Adult/Adolescent HIV Cases Alive on December 31, 2017, by Jurisdiction of Residence at Diagnosis, Reported through June 30, 2018

Jurisdiction of Residence at Diagnosis	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
20705	159	***	***	***	***	***	***	***	***	***	***
20707	290	***	***	***	***	***	***	***	***	***	***
20777	43	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20812	222	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20814	26,136	36	1.9%	137.7	24	1.2%	91.8	60	1.5%	229.6	435
20815	27,097	20	1.1%	73.8	20	1.0%	73.8	40	1.0%	147.6	677
20816	14,429	17	0.9%	117.8	8	0.4%	55.4	25	0.6%	173.3	577
20817	32,445	28	1.5%	86.3	16	0.8%	49.3	44	1.1%	135.6	737
20818	1,826	2	0.1%	109.5	2	0.1%	109.5	4	0.1%	219.1	456
20832	22,688	15	0.8%	66.1	11	0.5%	48.5	26	0.7%	114.6	872
20833	6,818	6	0.3%	88.0	3	0.1%	44.0	9	0.2%	132.0	757
20837	5,282	2	0.1%	37.9	3	0.1%	56.8	5	0.1%	94.7	1,056
20838	241	***	***	***	***	***	***	***	***	***	***
20839	204	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20841	8,957	8	0.4%	89.3	4	0.2%	44.7	12	0.3%	134.0	746
20842	1,411	0	0.0%	0.0	1	0.0%	70.9	1	0.0%	70.9	1,410
20850	42,601	72	3.8%	169.0	61	3.0%	143.2	133	3.4%	312.2	320
20851	13,137	34	1.8%	258.8	13	0.6%	99.0	47	1.2%	357.8	279
20852	38,562	72	3.8%	186.7	52	2.6%	134.8	124	3.2%	321.6	310
20853	27,151	31	1.6%	114.2	39	1.9%	143.6	70	1.8%	257.8	387
20854	45,165	40	2.1%	88.6	18	0.9%	39.9	58	1.5%	128.4	778
20855	13,343	13	0.7%	97.4	18	0.9%	134.9	31	0.8%	232.3	430
20860	2,224	1	0.1%	45.0	5	0.2%	224.9	6	0.2%	269.8	370
20861	1,736	2	0.1%	115.2	3	0.1%	172.8	5	0.1%	288.0	347
20862	334	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20866	11,929	40	2.1%	335.3	34	1.7%	285.0	74	1.9%	620.3	161
20868	725	***	***	***	***	***	***	***	***	***	***
20871	10,543	5	0.3%	47.4	12	0.6%	113.8	17	0.4%	161.3	620
20872	11,705	10	0.5%	85.4	8	0.4%	68.3	18	0.5%	153.8	650
20874	50,637	127	6.7%	250.8	101	5.0%	199.5	228	5.8%	450.3	222
20876	22,262	35	1.8%	157.2	30	1.5%	134.8	65	1.7%	292.0	342
20877	30,652	72	3.8%	234.9	105	5.2%	342.6	177	4.5%	577.5	173
20878	55,916	56	3.0%	100.2	71	3.5%	127.0	127	3.2%	227.1	440
20879	21,795	42	2.2%	192.7	54	2.7%	247.8	96	2.4%	440.5	227
20880	432	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20882	12,847	12	0.6%	93.4	5	0.2%	38.9	17	0.4%	132.3	755
20886	29,928	51	2.7%	170.4	67	3.3%	223.9	118	3.0%	394.3	253
20895	16,992	22	1.2%	129.5	27	1.3%	158.9	49	1.2%	288.4	346
20896	818	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	--
20899	151	***	***	***	***	***	***	***	***	***	***
20901	31,088	94	5.0%	302.4	106	5.2%	341.0	200	5.1%	643.3	155
20902	43,777	135	7.1%	308.4	151	7.4%	344.9	286	7.3%	653.3	153
20903	16,064	70	3.7%	435.8	96	4.7%	597.6	166	4.2%	1,033.4	96
20904	49,481	204	10.8%	412.3	228	11.2%	460.8	432	11.0%	873.1	114
20905	16,724	21	1.1%	125.6	25	1.2%	149.5	46	1.2%	275.1	363
20906	59,994	172	9.1%	286.7	197	9.7%	328.4	369	9.4%	615.1	162
20910	35,683	168	8.9%	470.8	185	9.1%	518.5	353	9.0%	989.3	101

20912	19,385	105	5.5%	541.7	173	8.5%	892.4	278	7.1%	1,434.1	69
21771	234	***	***	***	***	***	***	***	***	***	***
Unknown	--	44	2.3%	--	50	2.5%	--	94	2.4%	--	--
Total	882,259	1,896	100.0%	214.9	2,035	100.0%	230.7	3,931	100.0%	445.6	224

*** Data withheld due to low population counts and/or case counts

Table 4 – Adult/Adolescent HIV Cases Alive on December 31, 2017, by Jurisdiction of Residence at Diagnosis and Current Residence, Reported through June 30, 2018

Jurisdiction of Residence	Population Age 13+	Adult/Adolescent Total Living HIV Cases								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
20705	159	***	***	***	***	***	***	***	***	***
20707	290	***	***	***	***	***	***	***	***	***
20777	43	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20812	222	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20814	26,136	60	1.5%	229.6	435	61	1.9%	233.4	428	1.7%
20815	27,097	40	1.0%	147.6	677	30	0.9%	110.7	903	-25.0%
20816	14,429	25	0.6%	173.3	577	18	0.6%	124.8	801	-28.0%
20817	32,445	44	1.1%	135.6	737	40	1.2%	123.3	811	-9.1%
20818	1,826	4	0.1%	219.1	456	1	0.0%	54.8	1825	-75.0%
20832	22,688	26	0.7%	114.6	872	38	1.2%	167.5	597	46.2%
20833	6,818	9	0.2%	132.0	757	10	0.3%	146.7	681	11.1%
20837	5,282	5	0.1%	94.7	1056	5	0.2%	94.7	1056	0.0%
20838	241	***	***	***	***	***	***	***	***	***
20839	204	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20841	8,957	12	0.3%	134.0	746	14	0.4%	156.3	639	16.7%
20842	1,411	1	0.0%	70.9	1410	2	0.1%	141.8	705	100.0%
20850	42,601	133	3.4%	312.2	320	101	3.1%	237.1	421	-24.1%
20851	13,137	47	1.2%	357.8	279	62	1.9%	471.9	211	31.9%
20852	38,562	124	3.2%	321.6	310	111	3.4%	287.8	347	-10.5%
20853	27,151	70	1.8%	257.8	387	72	2.2%	265.2	377	2.9%
20854	45,165	58	1.5%	128.4	778	34	1.0%	75.3	1328	-41.4%
20855	13,343	31	0.8%	232.3	430	17	0.5%	127.4	784	-45.2%
20860	2,224	6	0.2%	269.8	370	3	0.1%	134.9	741	-50.0%
20861	1,736	5	0.1%	288.0	347	4	0.1%	230.4	434	-20.0%
20862	334	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20866	11,929	74	1.9%	620.3	161	71	2.2%	595.2	168	-4.1%
20868	725	***	***	***	***	***	***	***	***	***
20871	10,543	17	0.4%	161.3	620	28	0.9%	265.6	376	64.7%
20872	11,705	18	0.5%	153.8	650	10	0.3%	85.4	1170	-44.4%
20874	50,637	228	5.8%	450.3	222	206	6.3%	406.8	245	-9.6%
20876	22,262	65	1.7%	292.0	342	85	2.6%	381.8	261	30.8%
20877	30,652	177	4.5%	577.5	173	131	4.0%	427.4	233	-26.0%
20878	55,916	127	3.2%	227.1	440	92	2.8%	164.5	607	-27.6%
20879	21,795	96	2.4%	440.5	227	82	2.5%	376.2	265	-14.6%
20880	432	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20882	12,847	17	0.4%	132.3	755	15	0.5%	116.8	856	-11.8%
20886	29,928	118	3.0%	394.3	253	123	3.8%	411.0	243	4.2%
20895	16,992	49	1.2%	288.4	346	39	1.2%	229.5	435	-20.4%
20896	818	0	0.0%	0.0	--	0	0.0%	0.0	--	--
20899	151	***	***	***	***	***	***	***	***	***
20901	31,088	200	5.1%	643.3	155	173	5.3%	556.5	179	-13.5%
20902	43,777	286	7.3%	653.3	153	236	7.3%	539.1	185	-17.5%
20903	16,064	166	4.2%	1,033.4	96	97	3.0%	603.8	165	-41.6%
20904	49,481	432	11.0%	873.1	114	380	11.7%	768.0	130	-12.0%
20905	16,724	46	1.2%	275.1	363	37	1.1%	221.2	451	-19.6%
20906	59,994	369	9.4%	615.1	162	337	10.4%	561.7	178	-8.7%

20910	35,683	353	9.0%	989.3	101	269	8.3%	753.9	132	-23.8%
20912	19,385	278	7.1%	1,434.1	69	173	5.3%	892.4	112	-37.8%
21771	234	***	***	***	***	***	***	***	***	***
Unknown	--	94	2.4%	--	--	36	1.1%	--	--	-61.7%
Total	882,259	3,931	100.0%	445.6	224	3,253	100.0%	368.7	271	-17.2%

*** Data withheld due to low population counts and/or case counts

Table 5 – CD4 Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Jurisdiction of Current Residence, Reported through June 30, 2018

Jurisdiction of Current Residence	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
20705	***	***	***	***	***	***	***	***
20707	***	***	***	***	***	***	***	***
20777	0	--	--	--	--	--	--	--
20812	0	--	--	--	--	--	--	--
20814	61	41	67.2%	689	4.9%	7.3%	9.8%	78.0%
20815	30	25	83.3%	532	8.0%	12.0%	20.0%	60.0%
20816	18	13	72.2%	650	0.0%	0.0%	7.7%	92.3%
20817	40	21	52.5%	689	0.0%	9.5%	14.3%	76.2%
20818	***	***	***	***	***	***	***	***
20832	38	31	81.6%	700	0.0%	16.1%	19.4%	64.5%
20833	10	***	***	***	***	***	***	***
20837	***	***	***	***	***	***	***	***
20838	0	--	--	--	--	--	--	--
20839	0	--	--	--	--	--	--	--
20841	14	10	71.4%	536	10.0%	10.0%	20.0%	60.0%
20842	***	***	***	***	***	***	***	***
20850	101	72	71.3%	558	6.9%	23.6%	15.3%	54.2%
20851	62	44	71.0%	618	9.1%	9.1%	20.5%	61.4%
20852	111	75	67.6%	675	6.7%	8.0%	18.7%	66.7%
20853	72	56	77.8%	647	3.6%	8.9%	17.9%	69.6%
20854	34	17	50.0%	531	11.8%	11.8%	11.8%	64.7%
20855	17	13	76.5%	493	23.1%	0.0%	30.8%	46.2%
20860	***	***	***	***	***	***	***	***
20861	***	***	***	***	***	***	***	***
20862	0	--	--	--	--	--	--	--
20866	71	57	80.3%	599	3.5%	15.8%	10.5%	70.2%
20868	***	***	***	***	***	***	***	***
20871	28	25	89.3%	593	4.0%	12.0%	12.0%	72.0%
20872	10	7	70.0%	768	0.0%	14.3%	14.3%	71.4%
20874	206	134	65.0%	586	11.9%	10.4%	20.1%	57.5%
20876	85	53	62.4%	549	11.3%	7.5%	22.6%	58.5%
20877	131	96	73.3%	565	10.4%	15.6%	15.6%	58.3%
20878	92	73	79.3%	650	5.5%	9.6%	17.8%	67.1%
20879	82	64	78.0%	596	14.1%	7.8%	15.6%	62.5%
20880	0	--	--	--	--	--	--	--
20882	15	7	46.7%	587	0.0%	14.3%	14.3%	71.4%
20886	123	90	73.2%	596	5.6%	8.9%	25.6%	60.0%
20895	39	28	71.8%	682	3.6%	0.0%	28.6%	67.9%
20896	***	***	***	***	***	***	***	***
20899	***	***	***	***	***	***	***	***
20901	173	134	77.5%	540	5.2%	14.2%	23.1%	57.5%
20902	236	176	74.6%	572	8.0%	13.6%	18.2%	60.2%
20903	97	69	71.1%	545	7.2%	7.2%	29.0%	56.5%
20904	380	276	72.6%	552	8.3%	13.8%	19.9%	58.0%
20905	37	30	81.1%	634	6.7%	3.3%	26.7%	63.3%

20906	337	244	72.4%	566	11.5%	11.1%	16.8%	60.7%
20910	269	193	71.7%	649	7.8%	10.4%	13.5%	68.4%
20912	173	129	74.6%	555	9.3%	15.5%	19.4%	55.8%
21771	***	***	***	***	***	***	***	***
Unknown	36	24	66.7%	626	0.0%	8.3%	29.2%	62.5%
Total	3,253	2,345	72.1%	585	8.0%	11.6%	18.8%	61.6%

*** Data withheld due to low population counts and/or case counts

Table 6 – Viral Load Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Jurisdiction of Current Residence, Reported through June 30, 2018

Jurisdiction of Current Residence	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
20705	***	***	***	***	***
20707	***	***	***	***	***
20777	0	--	--	--	--
20812	0	--	--	--	--
20814	61	44	72.1%	88.6%	407
20815	30	25	83.3%	92.0%	11,021
20816	18	13	72.2%	100.0%	--
20817	40	22	55.0%	81.8%	1,460
20818	***	***	***	***	***
20832	38	31	81.6%	90.3%	1,117
20833	10	***	***	***	***
20837	5	***	***	***	***
20838	0	--	--	--	--
20839	0	--	--	--	--
20841	14	8	57.1%	100.0%	
20842	***	***	***	***	***
20850	101	73	72.3%	84.9%	16,200
20851	62	45	72.6%	86.7%	42,699
20852	111	77	69.4%	85.7%	7,940
20853	72	58	80.6%	86.2%	25,895
20854	34	17	50.0%	88.2%	14,827
20855	17	14	82.4%	92.9%	11,800
20860	***	***	***	***	***
20861	***	***	***	***	***
20862	0	--	--	--	--
20866	71	58	81.7%	82.8%	760
20868	***	***	***	***	***
20871	28	25	89.3%	92.0%	590
20872	10	7	70.0%	100.0%	--
20874	206	137	66.5%	91.2%	4,889
20876	85	55	64.7%	90.9%	8,100
20877	131	98	74.8%	85.7%	9,275
20878	92	74	80.4%	93.2%	40,800
20879	82	61	74.4%	83.6%	5,469
20880	0	--	--	--	--
20882	15	7	46.7%	100.0%	--
20886	123	92	74.8%	85.9%	4,310
20895	39	28	71.8%	96.4%	90,164
20896	***	***	***	***	***
20899	***	***	***	***	***
20901	173	132	76.3%	90.9%	2,416
20902	236	178	75.4%	89.3%	4,230
20903	97	70	72.2%	85.7%	11,745
20904	380	276	72.6%	88.0%	10,000
20905	37	30	81.1%	96.7%	27,600

20906	337	245	72.7%	82.9%	11,440
20910	269	191	71.0%	86.9%	15,847
20912	173	128	74.0%	90.6%	2,104
21771	***	***	***	***	***
Unknown	36	22	61.1%	100.0%	--
Total	3,253	2,359	72.5%	88.1%	7,895

*** Data withheld due to low population counts and/or case counts

Section V – Cases by Age

Table 7 – HIV Diagnoses during 2017, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through June 30, 2018

Age at HIV Diagnosis	Population	Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
<5 (Pediatric)	66,874	0	0.0%	0.0	--	--	--	--	--
5-12 (Pediatric)	109,677	1	0.6%	0.9	***	***	***	***	***
13-19	92,317	7	4.2%	7.6	***	***	***	***	***
20-29	125,939	59	35.8%	46.8	74.6%	81.4%	16.9%	88.1%	386
30-39	146,971	41	24.8%	27.9	87.8%	95.1%	31.7%	97.6%	369
40-49	145,592	22	13.3%	15.1	90.9%	95.5%	50.0%	95.5%	254
50-59	148,141	18	10.9%	12.2	77.8%	83.3%	44.4%	94.4%	248
60+	223,299	17	10.3%	7.6	76.5%	88.2%	35.3%	82.4%	309
Total	1,058,810	165	100.0%	15.6	81.2%	88.5%	29.7%	92.1%	353

*** Data withheld due to low population counts and/or case counts

Table 8 – HIV Cases Alive on December 31, 2017, by Age on December 31, 2017, Reported through June 30, 2018

Age On December 31, 2017	Population	Total Living HIV Cases				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
<5	66,874	2	0.1%	0.0%	3.0	33,437
5-12	109,677	13	0.4%	0.0%	11.9	8,436
13-19	92,317	27	0.8%	22.2%	29.2	3,419
20-29	125,939	284	8.7%	18.7%	225.5	443
30-39	146,971	620	19.0%	34.8%	421.9	237
40-49	145,592	875	26.8%	53.6%	601.0	166
50-59	148,141	894	27.4%	58.4%	603.5	165
60+	223,299	553	16.9%	57.7%	247.7	403
Total	1,058,810	3,268	100.0%	48.5%	308.6	323

Table 9 – CD4 Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Age on December 31, 2017, Reported through June 30, 2018

Age On December 31, 2017	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	27	23	85.2%	623	0.0%	0.0%	21.7%	78.3%
20-29	284	204	71.8%	605	5.4%	10.3%	19.1%	65.2%
30-39	620	432	69.7%	574	10.2%	8.8%	19.4%	61.6%
40-49	875	635	72.6%	566	7.9%	13.1%	21.1%	58.0%
50-59	894	642	71.8%	603	8.1%	12.3%	15.7%	63.9%
60+	553	409	74.0%	578	7.6%	12.5%	18.8%	61.1%
Total	3,253	2,345	72.1%	585	8.0%	11.6%	18.8%	61.6%

Table 10 – Viral Load Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Age on December 31, 2017, Reported through June 30, 2018

Age On December 31, 2017	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
13-19	27	24	88.9%	79.2%	717
20-29	284	203	71.5%	73.9%	16,200
30-39	620	433	69.8%	86.1%	10,840
40-49	875	639	73.0%	88.6%	3,621
50-59	894	650	72.7%	91.2%	4,230
60+	553	410	74.1%	92.2%	7,067
Total	3,253	2,359	72.5%	88.1%	7,895

Section VI – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2017, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2018

Demographic Characteristics	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
Sex at Birth									
Male	421,539	118	72.0%	28.0	82.2%	88.1%	26.3%	90.7%	365
Female	460,721	46	28.0%	10.0	80.4%	89.1%	39.1%	95.7%	333
Gender									
Male	--	118	72.0%	--	82.2%	88.1%	26.3%	90.7%	365
Female	--	46	28.0%	--	80.4%	89.1%	39.1%	95.7%	333
Transgender Female	--	0	0.0%	--	--	--	--	--	--
Transgender Male	--	0	0.0%	--	--	--	--	--	--
Another Gender Identity	--	0	0.0%	--	--	--	--	--	--
Race/Ethnicity									
Hispanic	158,932	34	20.7%	21.4	85.3%	91.2%	32.4%	97.1%	351
Non-Hispanic	723,327	130	79.3%	18.0	80.8%	87.7%	29.2%	90.8%	355
American Indian/Alaska Native, only	1,448	0	0.0%	0.0	--	--	--	--	--
Asian, only	139,980	7	4.3%	5.0	85.7%	85.7%	***	100.0%	195
Black, only	158,926	98	59.8%	61.7	80.6%	87.8%	27.6%	88.8%	353
Native Hawaiian/Other Pacific Islander, only	434	0	0.0%	0.0	--	--	--	--	--
White, only	404,164	20	12.2%	4.9	90.0%	95.0%	25.0%	95.0%	423
Multiracial/Other	18,376	5	3.0%	27.2	***	***	***	100.0%	323
Total	882,259	164	100.0%	18.6	81.7%	88.4%	29.9%	92.1%	353
Country of Birth									
United States	532,151	109	66.5%	20.5	78.9%	84.4%	30.3%	92.7%	363
Foreign-Born	319,787	42	25.6%	13.1	83.3%	95.2%	31.0%	90.5%	344
Africa	--	34	20.7%	--	82.4%	94.1%	32.4%	91.2%	313
Asia	--	3	1.8%	--	***	***	***	***	***
Caribbean	--	3	1.8%	--	***	***	***	***	***
Central America	--	1	0.6%	--	***	***	***	***	***
Other	--	1	0.6%	--	***	***	***	***	***
Unknown	--	13	7.9%	--	100.0%	100.0%	***	92.3%	330
Total	851,938	164	100.0%	19.3	81.7%	88.4%	29.9%	92.1%	353

Note. Population data by sex at birth, age, and race/ethnicity are from the 2017 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2016 American Community Survey.

*** Data withheld due to low population and/or case counts

Table 12 – Adult/Adolescent Living HIV Cases Alive on December 31, 2017, by Sex at Birth, Gender, Race/Ethnicity, and Country of Birth, Reported through June 30, 2018

Demographic Characteristics	Population Age 13+	Adult/Adolescent Total Living HIV Cases				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Sex at Birth						
Male	421,539	2,022	62.2%	48.6%	479.7	208
Female	460,721	1,231	37.8%	49.0%	267.2	374
Gender						
Male	--	2,007	61.7%	48.6%	--	--
Female	--	1,230	37.8%	48.9%	--	--
Transgender Female	--	15	0.5%	46.7%	--	--
Transgender Male	--	1	0.0%	100.0%	--	--
Another Gender Identity	--	0	0.0%	0.0%	--	--
Race/Ethnicity						
Hispanic	158,932	474	14.6%	52.3%	298.2	335
Non-Hispanic	723,327	2,779	85.4%	48.1%	384.2	260
American Indian/Alaska Native, only	1,448	3	0.1%	0.0%	207.2	482
Asian, only	139,980	65	2.0%	35.4%	46.4	2,153
Black, only	158,926	2,006	61.7%	50.5%	1,262.2	79
Native Hawaiian/Other Pacific Islander, only	434	0	0.0%	--	--	--
White, only	404,164	508	15.6%	40.9%	125.7	795
Multiracial/Other	18,376	197	6.1%	47.2%	1,072.1	93
Total	882,259	3,253	100.0%	48.7%	368.7	271
Country of Birth						
United States	532,151	2,040	62.7%	47.6%	383.3	260
Foreign-Born	319,787	1,037	31.9%	54.5%	324.3	308
Africa	--	729	22.4%	56.0%	--	--
Asia	--	46	1.4%	41.3%	--	--
Caribbean	--	50	1.5%	48.0%	--	--
Central America	--	127	3.9%	63.8%	--	--
Other	--	85	2.6%	38.8%	--	--
Unknown	--	176	5.4%	27.3%	--	--
Total	851,938	3,253	100.0%	48.7%	381.8	261

Note. Population data by sex at birth, age, and race/ethnicity are from the 2017 U.S. Census population estimates. Population data by gender are unavailable. Population data by country of birth are from the 2016 American Community Survey.

Table 13 – CD4 Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2018

Demographic Characteristics	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Sex at Birth								
Male	2,022	1,456	72.0%	571	8.2%	12.2%	18.8%	60.8%
Female	1,231	889	72.2%	605	7.6%	10.6%	18.8%	63.0%
Gender								
Male	2,007	***	***	***	***	***	***	***
Female	1,230	***	***	***	***	***	***	***
Transgender Female	15	***	***	***	***	***	***	***
Transgender Male	1	***	***	***	***	***	***	***
Another Gender Identity	0	--	--	--	--	--	--	--
Race/Ethnicity								
Hispanic	474	365	77.0%	577	7.9%	11.8%	22.5%	57.8%
Non-Hispanic	2,779	1,980	71.2%	586	8.0%	11.6%	18.1%	62.3%
American Indian/Alaska Native, only	3	***	***	***	***	***	***	***
Asian, only	65	***	***	***	***	***	***	***
Black, only	2,006	1,439	71.7%	559	9.0%	12.6%	19.4%	59.0%
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--	--	--	--
White, only	508	353	69.5%	670	4.5%	7.4%	13.0%	75.1%
Multiracial/Other	197	143	72.6%	646	6.3%	11.2%	16.1%	66.4%
Country of Birth								
United States	2,040	1,485	72.8%	596	8.3%	11.0%	17.4%	63.4%
Foreign-Born	1,037	763	73.6%	557	7.5%	12.8%	22.0%	57.7%
Africa	729	531	72.8%	541	7.7%	14.5%	21.5%	56.3%
Asia	46	33	71.7%	618	9.1%	9.1%	15.2%	66.7%
Caribbean	50	40	80.0%	712	7.5%	10.0%	15.0%	67.5%
Central America	127	94	74.0%	503	8.5%	11.7%	29.8%	50.0%
Other	85	65	76.5%	626	3.1%	4.6%	23.1%	69.2%
Unknown	176	97	55.1%	616	8.2%	11.3%	14.4%	66.0%
Total	3,253	2,345	72.1%	585	8.0%	11.6%	18.8%	61.6%

*** Data withheld due to low population and/or case counts

Table 14 – Viral Load Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Sex at Birth, Gender, Race/Ethnicity and Country of Birth, Reported through June 30, 2018

Demographic Characteristics	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			Median Unsuppressed
		No. with Test	% with Test	% Suppressed	
Sex at Birth					
Male	2,022	1,463	72.4%	88.4%	7,895
Female	1,231	896	72.8%	87.7%	7,570
Gender					
Male	2,007	***	***	***	***
Female	1,230	***	***	***	***
Transgender Female	15	***	***	***	***
Transgender Male	1	***	***	***	***
Another Gender Identity	0	--	--	--	--
Race/Ethnicity					
Hispanic	474	368	77.6%	88.9%	2,258
Non-Hispanic	2,779	1,991	71.6%	88.0%	9,045
American Indian/Alaska Native, only	3	***	***	***	***
Asian, only	65	***	***	***	***
Black, only	2,006	1,445	72.0%	86.0%	7,935
Native Hawaiian/Other Pacific Islander, only	0	--	--	--	--
White, only	508	357	70.3%	95.5%	24,233
Multiracial/Other	197	142	72.1%	89.4%	12,600
Country of Birth					
United States	2,040	1,491	73.1%	87.2%	8,370
Foreign-Born	1,037	769	74.2%	89.7%	3,640
Africa	729	537	73.7%	89.0%	3,163
Asia	46	33	71.7%	78.8%	26,665
Caribbean	50	40	80.0%	95.0%	756
Central America	127	96	75.6%	90.6%	3,640
Other	85	63	74.1%	96.8%	34,042
Unknown	176	99	56.3%	89.9%	24,377
Total	3,253	2,359	72.5%	88.1%	7,895

*** Data withheld due to low population and/or case counts

Section VII – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on December 31, 2017 and Reported through June 30, 2018

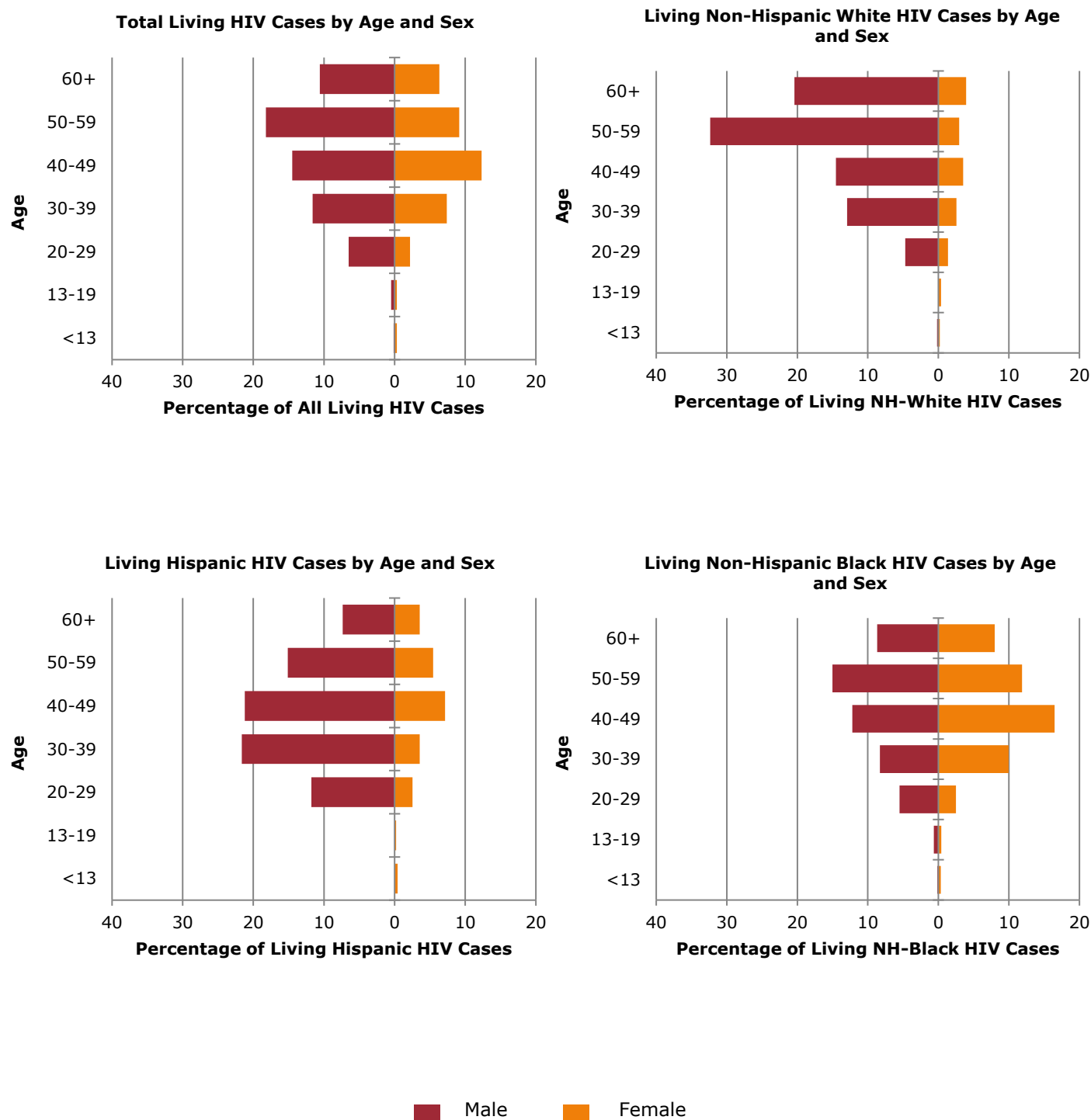


Table 15 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on December 31, 2017 and Reported through June 30, 2018

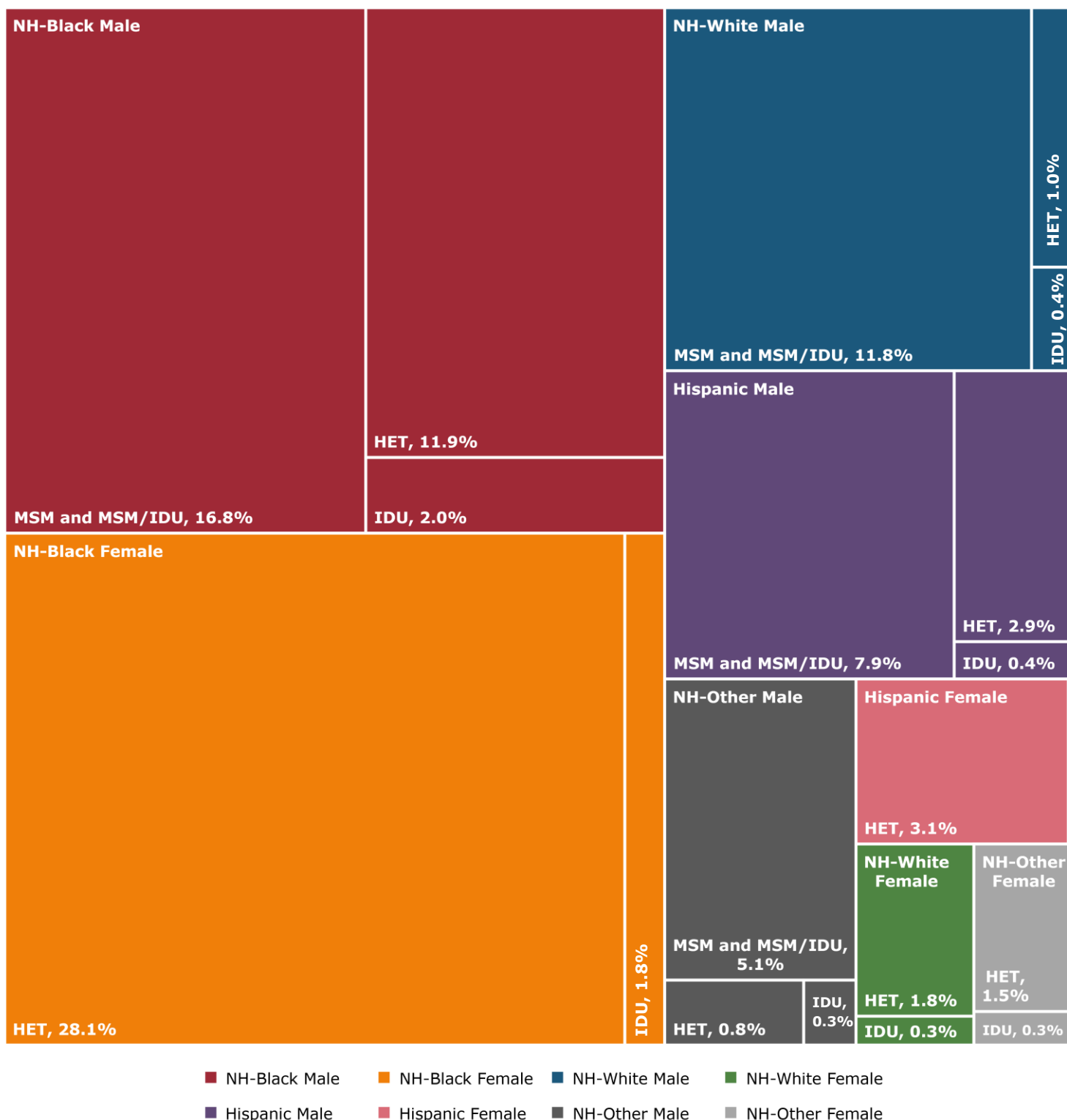
Total Living Male HIV Cases						
Age On December 31, 2017		Race/Ethnicity				Total Males by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	24,851	17,894	30,271	17,227	90,243
	Cases	0	3	1	0	4
	Rate	0.0	16.8	3.3	0.0	4.4
	Ratio (1 in X)	--	5,964	30,271	--	22,560
13-19	Population	11,252	9,295	18,160	8,452	47,159
	Cases	0	13	0	3	16
	Rate	0.0	139.9	0.0	35.5	33.9
	Ratio (1 in X)	--	715	--	2,817	2,947
20-29	Population	15,810	12,786	23,641	10,972	63,209
	Cases	56	111	24	22	213
	Rate	354.2	868.1	101.5	200.5	337.0
	Ratio (1 in X)	282	115	985	498	296
30-39	Population	18,122	13,572	26,756	13,382	71,832
	Cases	103	167	66	43	379
	Rate	568.4	1,230.5	246.7	321.3	527.6
	Ratio (1 in X)	175	81	405	311	189
40-49	Population	15,548	12,979	28,093	13,150	69,770
	Cases	101	246	74	52	473
	Rate	649.6	1,895.4	263.4	395.4	677.9
	Ratio (1 in X)	153	52	379	252	147
50-59	Population	10,817	11,813	36,142	11,852	70,624
	Cases	72	303	165	55	595
	Rate	665.6	2,565.0	456.5	464.1	842.5
	Ratio (1 in X)	150	38	219	215	118
60+	Population	8,713	12,106	61,761	16,365	98,945
	Cases	35	175	104	32	346
	Rate	401.7	1,445.6	168.4	195.5	349.7
	Ratio (1 in X)	248	69	593	511	285
Total Males by Race/Ethnicity	Population	105,113	90,445	224,824	91,400	511,782
	Cases	367	1,018	434	207	2,026
	Rate	349.1	1,125.5	193.0	226.5	395.9
	Ratio (1 in X)	286	88	518	441	252

Table 16 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on December 31, 2017 and Reported through June 30, 2018

Total Living Female HIV Cases						
Age On December 31, 2017		Race/Ethnicity				Total Females by Age Group
		Hispanic	Non-Hispanic Black, only	Non-Hispanic White, only	Non-Hispanic Other Race	
<13 (Pediatric)	Population	23,608	17,294	28,996	16,408	86,307
	Cases	2	7	1	1	11
	Rate	8.5	40.5	3.4	6.1	12.7
	Ratio (1 in X)	11,804	2,470	28,996	16,408	7,846
13-19	Population	10,266	9,280	17,350	8,264	45,159
	Cases	1	8	2	0	11
	Rate	9.7	86.2	11.5	0.0	24.4
	Ratio (1 in X)	10,265	1,159	8,675	--	4,105
20-29	Population	14,124	13,760	23,086	11,760	62,730
	Cases	12	50	7	2	71
	Rate	85.0	363.4	30.3	17.0	113.2
	Ratio (1 in X)	1,177	275	3,298	5,880	883
30-39	Population	16,162	15,666	27,670	15,641	75,139
	Cases	17	201	13	10	241
	Rate	105.2	1,283.0	47.0	63.9	320.7
	Ratio (1 in X)	950	77	2,128	1,564	311
40-49	Population	14,628	15,555	29,360	16,279	75,822
	Cases	34	332	18	18	402
	Rate	232.4	2,134.4	61.3	110.6	530.2
	Ratio (1 in X)	430	46	1,631	904	188
50-59	Population	11,333	14,212	38,050	13,922	77,517
	Cases	26	239	15	19	299
	Rate	229.4	1,681.7	39.4	136.5	385.7
	Ratio (1 in X)	435	59	2,536	732	259
60+	Population	12,158	17,902	74,095	20,199	124,354
	Cases	17	161	20	9	207
	Rate	139.8	899.3	27.0	44.6	166.5
	Ratio (1 in X)	715	111	3,704	2,244	600
Total Females by Race/Ethnicity	Population	102,279	103,669	238,607	102,473	547,028
	Cases	109	998	76	59	1,242
	Rate	106.6	962.7	31.9	57.6	227.0
	Ratio (1 in X)	938	103	3,139	1,736	440

Section VIII – HIV Exposure Category

Figure 10 – Proportion of Adult/Adolescent Total Living HIV Cases, by Estimated Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2017, Reported through June 30, 2018



Note. Other exposure category and perinatal transmission not shown (<2 percent). Multiple imputation was used to estimate and adjust for missing transmission category.

Table 17 – Adult/Adolescent HIV Diagnoses during 2017, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2018

Estimated or Reported Exposure Category	Adult/Adolescent Reported HIV Diagnoses						
	No.	% of Total	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
Male-to-male Sexual Contact (MSM)	84	51.0%	82.2%	89.4%	18.4%	93.1%	398
Injection Drug Use (IDU)	8	4.6%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	0.9%	***	***	***	***	***
Heterosexual Contact (HET)	71	43.5%	83.2%	90.2%	41.3%	92.6%	305
Perinatal Transmission	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
Other Exposures	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
No Estimated or Reported Exposure	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
Total	164	100.0%	81.7%	88.4%	29.9%	92.1%	353

Male Estimated or Reported Exposure Category							
Male-to-male Sexual Contact (MSM)	84	70.8%	82.2%	89.4%	18.4%	93.1%	398
Injection Drug Use (IDU)	5	3.8%	***	***	***	***	***
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	2	1.3%	***	***	***	***	***
Heterosexual Contact (HET)	28	24.1%	84.2%	87.7%	50.0%	87.3%	254
Perinatal Transmission	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
Other Exposures	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
No Estimated or Reported Exposure	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
Total	118	100.0%	82.2%	88.1%	26.3%	90.7%	365

Female Estimated or Reported Exposure Category							
Injection Drug Use (IDU)	3	6.5%	***	***	***	***	***
Heterosexual Contact (HET)	43	93.5%	***	***	***	***	***
Perinatal Transmission	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
Other Exposures	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
No Estimated or Reported Exposure	0	0.0%	0.0%	0.0%	0.0%	0.0%	--
Total	46	100.0%	80.4%	89.1%	39.1%	95.7%	333

Note. Data for 2017 are preliminary because they are based on a 6-month reporting delay and should not be used to assess trends. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Transgender Persons Supplement.

*** Data withheld due to low population and/or case counts

Table 18 – Adult/Adolescent Living HIV Cases Alive on December 31, 2017, by Estimated or Reported Exposure Category and Sex at Birth, Reported through June 30, 2018

Estimated or Reported Exposure Category	Adult/Adolescent Total Living HIV Cases		
	No.	% of Total	% Living with AIDS
Male-to-male Sexual Contact (MSM)	1,290	39.6%	43.2%
Injection Drug Use (IDU)	184	5.7%	59.8%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	66	2.0%	68.8%
Heterosexual Contact (HET)	1,666	51.2%	51.2%
Perinatal Transmission	33	1.0%	42.4%
Other Exposures	5	0.2%	60.0%
No Estimated or Reported Exposure	8	0.2%	25.0%
Total	3,253	100.0%	48.7%
Male Estimated or Reported Exposure Category			
Male-to-male Sexual Contact (MSM)	1,290	63.8%	43.2%
Injection Drug Users (IDU)	101	5.0%	58.7%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	66	3.3%	68.8%
Heterosexual Contact (HET)	543	26.9%	57.3%
Perinatal Transmission	16	0.8%	43.8%
Other Exposures	2	0.1%	0.0%
No Estimated or Reported Exposure	4	0.2%	50.0%
Total	2,022	100.0%	48.6%
Female Estimated or Reported Exposure Category			
Injection Drug Use (IDU)	84	6.8%	61.2%
Heterosexual Contact (HET)	1,123	91.3%	48.2%
Perinatal Transmission	17	1.4%	41.2%
Other Exposures	3	0.2%	100.0%
No Estimated or Reported Exposure	4	0.3%	0.0%
Total	1,231	100.0%	49.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Transgender Persons Supplement.

Table 19 – Adult/Adolescent Total Living HIV Cases by Estimated or Reported Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on December 31, 2017 and Reported through June 30, 2018

Estimated or Reported Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total	No.	% of Total	No.	% of Total
Male-to-male Sexual Contact (MSM)	248	52.3%	514	25.6%	368	72.3%
Injection Drug Use (IDU)	16	3.4%	124	6.2%	25	5.0%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	10	2.1%	33	1.6%	17	3.3%
Heterosexual Contact (HET)	197	41.6%	1,301	64.8%	92	18.2%
Perinatal Transmission	1	0.2%	28	1.4%	3	0.6%
Other Exposures	1	0.2%	3	0.1%	1	0.2%
No Estimated or Reported Exposure	1	0.2%	4	0.2%	2	0.4%
Total	474	100.0%	2,006	100.0%	508	100.0%
Male Estimated or Reported Exposure Category						
Male-to-male Sexual Contact (MSM)	248	67.6%	514	50.6%	368	84.9%
Injection Drug Use (IDU)	11	3.1%	65	6.4%	14	3.3%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	10	2.7%	33	3.2%	17	3.9%
Heterosexual Contact (HET)	95	25.8%	388	38.2%	34	7.8%
Perinatal Transmission	1	0.3%	14	1.4%	0	0.0%
Other Exposures	1	0.3%	0	0.0%	1	0.2%
No Estimated or Reported Exposure	1	0.3%	2	0.2%	0	0.0%
Total	367	100.0%	1,015	100.0%	433	100.0%
Female Estimated or Reported Exposure Category						
Injection Drug Use (IDU)	5	4.4%	59	5.9%	11	15.1%
Heterosexual Contact (HET)	102	95.6%	913	92.1%	59	78.3%
Perinatal Transmission	0	0.0%	14	1.4%	3	4.0%
Other Exposures	0	0.0%	3	0.3%	0	0.0%
No Estimated or Reported Exposure	0	0.0%	2	0.2%	2	2.7%
Total	107	100.0%	991	100.0%	75	100.0%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. For exposure category by gender, please see the Maryland HIV Epidemiological Profile Transgender Persons Supplement.

Table 20 – CD4 Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Estimated or Reported Exposure Category, Reported through June 30, 2018

Estimated or Reported Exposure Category	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male-to-male Sexual Contact (MSM)	1,290	944	73.2%	605	6.8%	11.0%	17.6%	64.5%
Injection Drug Use (IDU)	184	128	69.1%	605	10.7%	8.6%	15.5%	65.3%
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	66	53	79.7%	496	16.4%	12.7%	22.3%	48.6%
Heterosexual Contact (HET)	1,666	1,180	70.8%	571	8.3%	12.5%	19.8%	59.4%
Perinatal Transmission	33	30	90.9%	637	10.0%	3.3%	13.3%	73.3%
Other Exposures	5	5	100.0%	408	0.0%	40.0%	20.0%	40.0%
No Estimated or Reported Exposure	8	6	75.0%	596	0.0%	0.0%	50.0%	50.0%
Total	3,253	2,345	72.1%	585	8.0%	11.6%	18.8%	61.6%

Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median count is weighted based on statistical adjustment.

Table 21 – Viral Load Test Results during 2017 for Adult/Adolescent HIV Cases Alive on December 31, 2017, by Estimated or Reported Exposure Category, Reported through June 30, 2018

Estimated or Reported Exposure Category	Adult/Adolescent Total Living HIV Cases					
	No.	Recent Viral Load Test Results				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
Male-to-male Sexual Contact (MSM)	1,290	947	73.4%	88.5%		11,400
Injection Drug Use (IDU)	184	127	69.0%	86.5%		7,940
Male-to-male Sexual Contact and Injection Drug Use (MSM/IDU)	66	51	76.8%	81.8%		5,340
Heterosexual Contact (HET)	1,666	1,193	71.6%	88.7%		6,666
Perinatal Transmission	33	30	90.9%	73.3%		12,900
Other Exposures	5	5	100.0%	80.0%		220
No Estimated or Reported Exposure	8	6	75.0%	83.3%		717
Total	3,253	2,359	72.5%	88.1%		7,895

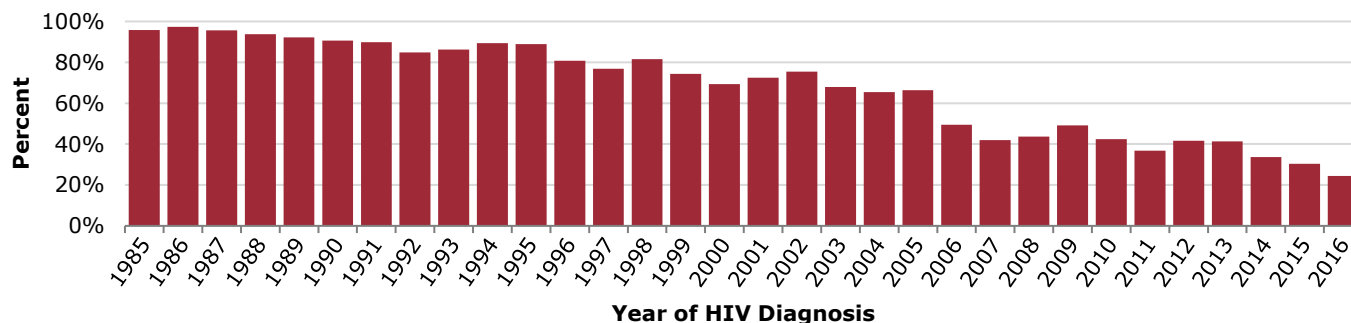
Note. Data have been statistically adjusted to account for missing transmission category, therefore, values may not sum to column total. Median unsuppressed is weighted based on statistical adjustment.

Section IX – Disease Progression and Mortality

Figure 11 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2016, Reported through June 30, 2018

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by December 31, 2016 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by December 31, 2017 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by December 31, 2017, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2016, as Reported by Name through June 30, 2018

Percent with AIDS by December 31, 2017

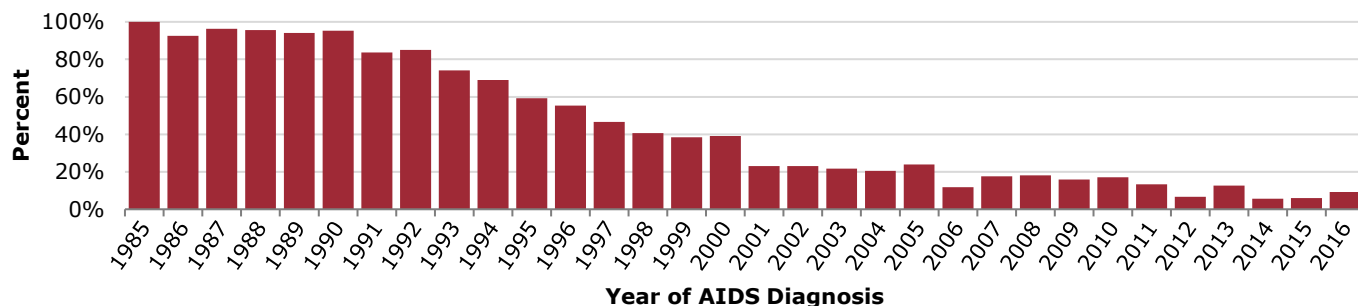


Year of HIV Diagnosis	Adult/Adolescent Reported HIV Diagnoses							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	38	37	97.4%	7.0	39.5%	39.5%	44.7%	60.5%
1985	96	92	95.8%	6.0	34.4%	36.5%	45.8%	77.1%
1986	110	107	97.3%	4.1	51.8%	51.8%	60.9%	87.3%
1987	140	134	95.7%	3.3	55.7%	57.1%	70.7%	88.6%
1988	176	165	93.8%	2.9	51.1%	55.7%	73.3%	89.8%
1989	179	165	92.2%	2.6	55.3%	59.8%	72.6%	87.2%
1990	172	156	90.7%	2.4	48.3%	54.7%	75.6%	89.0%
1991	197	177	89.8%	2.3	54.3%	61.9%	78.7%	85.3%
1992	172	146	84.9%	3.1	44.2%	52.9%	66.3%	79.1%
1993	124	107	86.3%	1.7	60.5%	70.2%	78.2%	83.1%
1994	132	118	89.4%	2.1	60.6%	67.4%	75.0%	84.1%
1995	144	128	88.9%	1.6	68.1%	74.3%	78.5%	81.9%
1996	119	96	80.7%	1.7	59.7%	62.2%	69.7%	78.2%
1997	121	93	76.9%	2.4	55.4%	58.7%	62.0%	71.9%
1998	108	88	81.5%	2.2	56.5%	59.3%	69.4%	76.9%
1999	133	99	74.4%	1.6	58.6%	59.4%	64.7%	72.2%
2000	153	106	69.3%	1.8	49.7%	53.6%	58.2%	67.3%
2001	153	111	72.5%	1.9	51.6%	53.6%	63.4%	68.6%
2002	143	108	75.5%	1.5	60.1%	62.9%	67.8%	71.3%
2003	169	115	68.0%	1.0	55.6%	57.4%	63.9%	67.5%
2004	191	125	65.4%	1.2	53.4%	56.0%	58.6%	63.9%
2005	199	132	66.3%	0.9	56.8%	58.3%	63.3%	65.3%
2006	235	116	49.4%	1.3	37.0%	40.9%	44.3%	48.5%
2007	324	136	42.0%	1.6	31.8%	32.4%	35.2%	40.7%
2008	245	107	43.7%	0.9	35.5%	37.1%	42.4%	--
2009	193	95	49.2%	1.4	36.3%	38.3%	44.0%	--
2010	186	79	42.5%	1.2	29.6%	32.3%	38.2%	--
2011	171	63	36.8%	0.8	30.4%	32.7%	35.1%	--
2012	180	75	41.7%	0.4	35.0%	40.0%	41.7%	--
2013	167	69	41.3%	0.6	35.3%	37.7%	--	--
2014	181	61	33.7%	0.3	30.9%	32.6%	--	--
2015	155	47	30.3%	0.3	28.4%	29.7%	--	--
2016	159	39	24.5%	0.3	22.6%	--	--	--
Total	5,365	3,492	65.1%	2.0	45.3%	48.6%	55.3%	62.2%

**Figure 12 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2016,
Reported through June 30, 2018**

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/16 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by December 31, 2017 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by December 31, 2017, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2016, as Reported by Name through June 30, 2018

Percent Dead by December 31, 2017



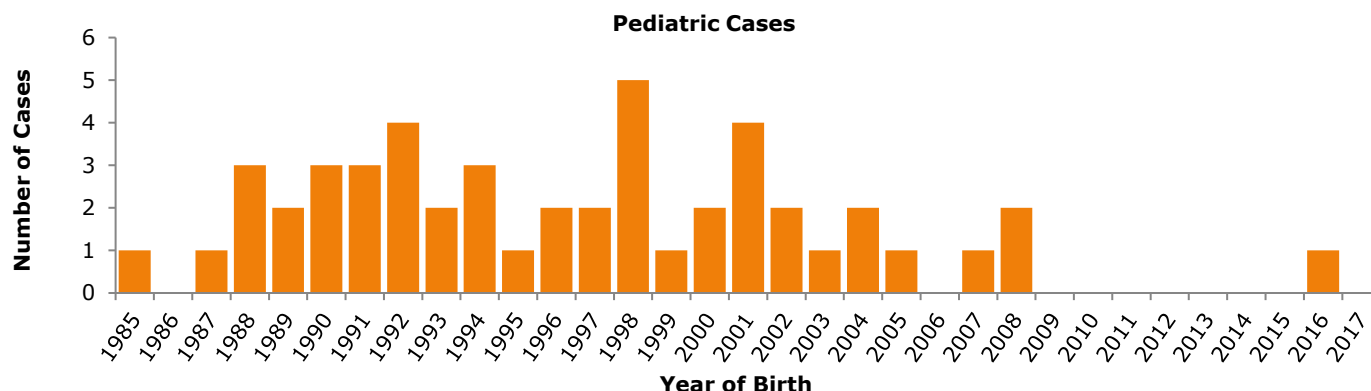
Year of AIDS Diagnosis	Adult/Adolescent Reported AIDS Diagnoses							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	15	15	100.0%	0.7	33.3%	6.7%	0.0%	0.0%
1985	32	32	100.0%	1.1	37.5%	12.5%	6.3%	0.0%
1986	54	50	92.6%	1.9	50.0%	29.6%	13.0%	9.3%
1987	81	78	96.3%	1.9	60.5%	34.6%	9.9%	7.4%
1988	90	86	95.6%	2.4	65.6%	37.8%	14.4%	10.0%
1989	116	109	94.0%	3.2	71.6%	54.3%	22.4%	12.1%
1990	104	99	95.2%	2.7	64.4%	48.1%	17.3%	9.6%
1991	129	108	83.7%	2.3	68.2%	52.7%	22.5%	18.6%
1992	134	114	85.1%	2.3	63.4%	47.0%	22.4%	18.7%
1993	143	106	74.1%	3.2	76.2%	60.8%	39.9%	32.2%
1994	177	122	68.9%	3.4	78.0%	59.9%	45.8%	37.9%
1995	179	106	59.2%	4.8	76.5%	72.1%	63.1%	50.3%
1996	123	68	55.3%	5.3	80.5%	78.9%	69.9%	56.1%
1997	103	48	46.6%	4.8	80.6%	76.7%	68.9%	62.1%
1998	101	41	40.6%	4.5	87.1%	81.2%	72.3%	65.3%
1999	104	40	38.5%	5.0	84.6%	81.7%	76.9%	70.2%
2000	110	43	39.1%	6.1	92.7%	90.0%	80.9%	70.9%
2001	108	25	23.1%	3.9	91.7%	90.7%	86.1%	78.7%
2002	126	29	23.0%	3.7	91.3%	89.7%	84.1%	79.4%
2003	125	27	21.6%	4.1	92.8%	88.8%	86.4%	82.4%
2004	146	30	20.5%	3.5	91.8%	87.7%	86.3%	82.2%
2005	142	34	23.9%	3.6	91.5%	89.4%	83.8%	77.5%
2006	128	15	11.7%	3.9	95.3%	93.8%	93.0%	89.1%
2007	131	23	17.6%	3.2	92.4%	90.1%	88.5%	83.2%
2008	116	21	18.1%	2.2	93.1%	89.7%	84.5%	--
2009	101	16	15.8%	1.5	90.1%	90.1%	84.2%	--
2010	100	17	17.0%	1.8	92.0%	90.0%	85.0%	--
2011	67	9	13.4%	1.8	95.5%	91.0%	86.6%	--
2012	90	6	6.7%	0.1	93.3%	93.3%	93.3%	--
2013	102	13	12.7%	1.7	96.1%	93.1%	--	--
2014	88	5	5.7%	1.3	96.6%	96.6%	--	--
2015	67	4	6.0%	0.1	94.0%	94.0%	--	--
2016*	65	6	9.2%	0.2	90.8%	--	--	--
Total	3,497	1,545	44.2%	3.2	82.9%	75.4%	65.0%	59.7%

*2016 AIDS deaths are preliminary

Section X – Pediatric Cases

Figure 13 – Trends in Pediatric HIV Cases, 1985-2017, Reported through June 30, 2018

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2017, as Reported by Name through June 30, 2018



Year	Pediatric Reported HIV Diagnoses				Pediatric Total Living HIV Cases	
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year	
<1985	8	0	0	0		--
1985	1	2	1	1		1
1986	0	3	0	0		4
1987	1	1	0	0		5
1988	3	1	2	0		7
1989	2	2	1	1		8
1990	3	1	0	0		9
1991	3	3	2	0		12
1992	4	4	1	2		15
1993	2	0	2	1		14
1994	3	1	2	1		15
1995	1	0	1	0		14
1996	2	5	2	0		19
1997	2	1	0	1		19
1998	5	2	0	1		20
1999	1	2	2	0		21
2000	2	1	0	0		22
2001	4	2	2	0		24
2002	2	4	2	0		28
2003	1	2	1	0		30
2004	2	0	0	0		30
2005	1	3	1	0		33
2006	0	7	0	1		39
2007	1	1	0	1		39
2008	2	2	0	0		42
2009	0	3	0	0		46
2010	0	0	1	0		46
2011	0	0	0	0		46
2012	0	0	0	0		46
2013	0	1	1	0		46
2014	0	1	0	0		47
2015	0	0	2	0		46
2016	1	1	1	0		47
2017	0	1	0	0		48
Total	57	57	27	10		--

Table 22 – Current Pediatric HIV Total Living HIV Cases, Alive on December 31, 2017, by Jurisdiction of Current Residence, Reported through June 30, 2018

Jurisdiction of Current Residence	Current Pediatric Total Living HIV Cases	
	No.	% of Total
20850	1	20.0%
20877	1	20.0%
20904	2	40.0%
20910	1	20.0%
Total	5	100.0%

Table 23 – Current Pediatric HIV Total Living HIV Cases, Alive on December 31, 2017, by Sex at Birth and Race/Ethnicity, Reported through June 30, 2018

Demographic Characteristic	Current Pediatric Total Living HIV Cases	
	No.	% of Total
Sex at Birth		
Male	2	40.0%
Female	3	60.0%
Race/Ethnicity		
Hispanic	1	20.0%
Non-Hispanic	4	80.0%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	4	80.0%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	0	0.0%
Multiracial/Other	0	0.0%
Total	5	100.0%

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older as of December 31st of the specified year, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

CD4 With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Corrections: Residence in a state or federal prison. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Gender Expression: people's outward presentation of their gender which may or may not conform to socially defined behaviors and characteristics typically associated with being either masculine or feminine.

Gender Identity: refers to one's internal understanding of one's own gender, or the gender with which a person identifies.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since January 1, 2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis: Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Change: The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Percent Living with AIDS: The percent of reported HIV diagnoses with an AIDS diagnosis not reported to have died as of December 31st of the specified year

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Population: Population estimate for July 1, 2017.

Population Age 13+: Population age 13 years or older, estimate for July 1, 2017.

Rate: Number of HIV cases divided by the population and multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Retained in HIV Care: HIV diagnosed with a reported CD4 or viral load test result performed or reported antiretroviral use in the specified year.

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Transgender Female: A person whose sex assigned at birth is male but whose gender identity is female.

Transgender Male: A person whose sex assigned at birth is female but whose gender identity is male.

Another Gender Identity: Additional gender identities or gender expressions.

Viral Load With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.